Aquinas Catholic High School: Health and Physical Education Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
Dealing with Stress	The student will demonstrate the ability to deal with stress in a positive manner. The student will demonstrate knowledgeable skills in dealing with stress.	Group work	**Standard 1:** Students will comprehend concepts related to health promotion and disease prevention to enhance health. **Standard 2:** Students will analyze the influence of family, peers, culture, media, technology and other factors on health behaviors. **Standard 3:** Students will demonstrate the ability to access valid information and products and services to enhance health. **Standard 4:** Students will demonstrate the ability to use interpersonal communication skills to enhance and avoid or reduce health risks. **Standard 5:** Students will	12.7.1

			demonstrate the ability to use decision-making skills to enhance health. • **Standard 6:** Students will demonstrate the ability to use goal-setting skills to enhance health. • **Standard 7:** Students will demonstrate the ability to practice health-enhancing behaviors and avoid or reduce health risks. • **Standard 8:** Students will demonstrate the ability to advocate for personal, family and community health.	
First Aid Unit	The student will demonstrate the ability to use first aid procedures in a controlled setting. The student will demonstrate the ability to advocate for personal, family, and community health.	Participation Hands on activities	• • **Standard 1:** Students will comprehend concepts related to health promotion and disease prevention to enhance health. • **Standard 2:** Students will	12.7.1

			analyze the influence of family, peers, culture, media, technology and other factors on health behaviors.	
			• **Standard 3:** Students will demonstrate the ability to access valid information and products and services to enhance health.	
			• **Standard 4:** Students will demonstrate the ability to use interpersonal communication skills to enhance and avoid or reduce health risks.	
			• **Standard 5:** Students will demonstrate the ability to use decision-making skills to enhance health.	
			• **Standard 6:** Students will demonstrate the ability to use goal-setting skills to enhance health.	
			• **Standard 7:** Students will demonstrate the ability to practice health-enhancing behaviors and avoid or reduce health risks.	

			• **Standard 8:** Students will demonstrate the ability to advocate for personal, family and community health.	
CPR	The student will demonstrate how to use CPR in a controlled setting. The student will demonstrate the ability to make good decisions when it comes to CPR. The student will demonstrate the ability to advocate for personal, family, and community health.	Group work Hands on activities	Standard 1: Students will comprehend concepts related to health promotion and disease prevention to enhance health. Standard 2: Students will analyze the influence of family, peers, culture, media, technology and other factors on health behaviors. Standard 3: Students will demonstrate the ability to access valid information and products and services to enhance health. Standard 4: Students will demonstrate the ability to use interpersonal communication skills to enhance and avoid or reduce health risks. Standard 5: Students will demonstrate the ability to use decision-making skills to enhance health. Standard 6: Students will demonstrate the ability to use goal-setting skills to enhance health. Standard 7: Students will demonstrate the ability to practice health-enhancing behaviors and avoid or reduce health risks. Standard 8: Students will demonstrate the ability to advocate for personal,	12.7.1

			family and community health.	
Nutrition	The student will comprehend concepts related to health promotion and disease. Students will demonstrate the ability to access valid information on products and services. Students will demonstrate the ability to use decision making skills to better their health.	Group work Participation Discussion	Standard 1: Students will comprehend concepts related to health promotion and disease prevention to enhance health. Standard 2: Students will analyze the influence of family, peers, culture, media, technology and other factors on health behaviors. Standard 3: Students will demonstrate the ability to access valid information and products and services to enhance health. Standard 4: Students will demonstrate the ability to use interpersonal communication skills to enhance and avoid or reduce health risks. Standard 5: Students will demonstrate the ability to use decision-making skills to enhance health. Standard 6: Students will demonstrate the ability to use goal-setting skills to enhance health. Standard 7: Students will demonstrate the ability to practice health-enhancing behaviors and avoid or reduce health risks. Standard 8: Students will demonstrate the ability to advocate for personal,	12.7.1

			family and community nutrition	
Our Body God's temple	Students will analyze the influence of family, peers, culture, media, technology and other factors on health behaviors

Students will demonstrate the ability to practice health-enhancing behaviors and avoid or reduce health risks. | Bone quiz

Student project over bone breaks, diseases, and disorders. | Standard 1: Students will comprehend concepts related to health promotion and disease prevention to enhance health.
Standard 2: Students will analyze the influence of family, peers, culture, media, technology and other factors on health behaviors.
Standard 3: Students will demonstrate the ability to access valid information and products and services to enhance health.
Standard 4: Students will demonstrate the ability to use interpersonal communication skills to enhance and avoid or reduce health risks.
Standard 5: Students will demonstrate the ability to use decision-making skills to enhance health.
Standard 6: Students will demonstrate the ability to use goal-setting skills to enhance health.
Standard 7: Students will demonstrate the ability to practice health-enhancing behaviors and avoid or reduce health risks.
Standard 8: Students will demonstrate the ability to | 12.7.1 |

			advocate for personal, family and community	

Mental Health Practices	The student will demonstrate the ability to deal with mental health The student will comprehend concepts related to health promotion and disease prevention.	Group work Power point presentation	• • **Standard 1:** Students will comprehend concepts related to health promotion and disease prevention to enhance health. • **Standard 2:** Students will analyze the influence of family, peers, culture, media, technology and other factors on health behaviors. • **Standard 3:** Students will demonstrate the ability to access valid information and products and services to enhance health. • **Standard 4:** Students will demonstrate the ability to use interpersonal communication skills to enhance and avoid or reduce health risks. • **Standard 5:** Students will demonstrate the ability to use decision-making skills to enhance health. • **Standard 6:** Students will demonstrate the ability to use goal-	

			setting skills to enhance health. • **Standard 7:** Students will demonstrate the ability to practice health-enhancing behaviors and avoid or reduce health risks. • **Standard 8:** Students will demonstrate the ability to advocate for personal, family and community health.	
Peer Pressure workshop	Students will comprehend concepts related to health promotion and disease prevention to enhance health. Students will analyze the influence of family, peers, culture, media, technology and other factors on health behaviors.	Group work Hands on activities	• • **Standard 1:** Students will comprehend concepts related to health promotion and disease prevention to enhance health. • **Standard 2:** Students will analyze the influence of family, peers, culture, media, technology and other factors on health behaviors. • **Standard 3:** Students will	

			demonstrate the ability to access valid information and products and services to enhance health.	
			• **Standard 4:** Students will demonstrate the ability to use interpersonal communication skills to enhance and avoid or reduce health risks.	
			• **Standard 5:** Students will demonstrate the ability to use decision-making skills to enhance health.	
			• **Standard 6:** Students will demonstrate the ability to use goal-setting skills to enhance health.	
			• **Standard 7:** Students will demonstrate the ability to practice health-enhancing behaviors and avoid or reduce health risks.	
			• **Standard 8:** Students will demonstrate the ability to advocate for personal, family and community health.	

Aquinas Catholic High School: [Algebra I]

Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
Numeric relationships: students will communicate number sense concepts to reason, solve problems and make connections	Objectives: 1-24: Graph, add, subtract, multiply, divide real numbers. Use properties of addition and multiplication. Absolute value and inverses of real numbers	Notes given daily Questions answered Students do problems on the board/white boards Homework given daily Weekly quizzes Tests	8.1.1acd 8.1.2c	Same as state
Algebraic relationships: Students will communicate algebraic expressions, evaluate algebraic expressions and find like terms	Objectives: 25-29 Write word phrases to algebraic expressions, evaluate algebraic expressions, combine like terms	Notes given daily Questions answered Students do problems on the board/white boards Homework given daily Weekly quizzes Tests	8.1.2e	Same as state
Numeric relationships and operations: Students will evaluate expressions with all types of exponents, including scientific notation	Objectives: 30-45 Evaluate expression with positive, negative, fractional exponents, compute expressions with all types of exponents, scientific notation, computation with scientific notation	Notes given daily Questions answered Students do problems on the board/white boards Homework given daily Weekly quizzes Tests	8.1.1b 8.1.2d	Same as state
Algebraic processes: Students will apply operational properties to equations	Objectives: 46-55 Verify equations, solve 1, 2 and multi step equations, word problems	Notes given daily Questions answered Students do problems on the board/white boards Homework given daily Weekly quizzes Tests	8.1.2e 8.2.1a 8.2.2a 8.2.3c 11.2.2f	Same as state

Applications: students will solve and graph problems involving linear equations	Objectives 56-72 Graph ordered pairs, find slope, find intercepts, write equations in different forms, graph lines, describe graphs, word problems	Notes given daily Questions answered Students do problems on the board/white boards Homework given daily Weekly quizzes Tests	8.2.1bd 8.2.3ab 11.2.3a 11.3.2c	Same as state
Algebraic processes: students will solve and graph absolute value equations	Objectives 73-74 Solve and graph absolute value equations	Notes given daily Questions answered Students do problems on the board/white boards Homework given daily Weekly quizzes Tests	11.2.2g 12.2.1a	Same as state
Algebraic processes: students will apply operational properties when evaluating polynomials	Objectives: 75-105 Classify, order, evaluate, add, subtract, multiply and divide polynomials. Factor binomials, polynomials,	Notes given daily Questions answered Students do problems on the board/white boards Homework given daily Weekly quizzes Tests	11.2.2deijk	Same as state
Algebraic relationships: students will demonstrate, represent, and show relationships with functions	Objectives: 106-113 Domain, range, determine functions, inverses of relations, evaluate functions, add, subtract, multiply and divide functions	Notes given daily Questions answered Students do problems on the board/white boards Homework given daily Weekly quizzes Tests	11.2.1abcde	Same as state
Analysis and applications: students will analyze data	Objectives: 114-118 Compute mean, median and mode of data sets, construct and interpret data from plots	Notes given daily Questions answered Students do problems on the board/white boards Homework given daily Weekly quizzes Tests	11.4.2	Same as state

Measurement: students will perform and compare measurements and apply formulas	Objectives: 127-129 Pythagorean problems, number problems, area and perimeter problems	Notes given daily Questions answered Students do problems on the board/white boards Homework given daily Weekly quizzes Tests	8.3.3abc	Same as state
Algebraic processes: students will graph and solve systems of equations	Objectives: 130-140 Graph systems of equations, solve systems of equations, substitution/elimination word problems	Notes given daily Questions answered Students do problems on the board/white boards Homework given daily Weekly quizzes Tests	8.2.1cd 11.2.2h	Same as state
Algebraic processes: students will solve and graph systems of inequalities	Objectives: 141-151 Solve 1 variable inequalities, solve absolute value inequalities, graph inequalities and absolute value inequalities	Notes given daily Questions answered Students do problems on the board/white boards Homework given daily Weekly quizzes Tests	8.2.2b 11.2.2h	Same as state
Algebraic processes: students will compute rational expressions	Objectives: 157-163 Add, subtract, multiply and divide rational expressions	Notes given daily Questions answered Students do problems on the board/white boards Homework given daily Weekly quizzes Tests	11.2.2d	Same as state
Operations: Students will compute with radicals	Objectives: 167-177 Simplify, add, subtract, multiply and divide radical expressions, solve equations containing radicals	Notes given daily Questions answered Students do problems on the board/white boards Homework given daily Weekly quizzes Tests	8.1.2a 11.1.1c	Same as state

Algebraic processes: students will compute ratios, rates, proportions	Objectives: 178-185 Ratios, rates, proportions, word problems	Notes given daily Questions answered Students do problems on the board/white boards Homework given daily Weekly quizzes Tests		

Aquinas Catholic High School: [Algebra II]

Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
Chapter 1 Equations and inequalities	1.1 Apply properties of real numbers 1.2 Evaluate and simplify algebraic expressions 1.3 Solve linear equations 1.4 Rewrite formulas and equations 1.5 Use problem solving strategies and models 1.6 Solve linear inequalities 1.7 Solve absolute value equations and inequalities	Notes given daily Questions answered Students do problems on the board/white boards Homework given daily Weekly quizzes Test over chapter 1	11.1.1abc 11.1.2abcd 11.2.2abefg 11.2.3a	Same as state
Chapter 2 Linear equations and functions	2.1 represent relations and functions 2.2 find slope and rate of change 2.3 graph equations of lines 2.4 write equations of lines 2.5 model direct variation 2.7 use absolute value functions and transformations 2.8 graph linear inequalities in two variables	Notes given daily Questions answered Students do problems on the board/white boards Homework given daily Weekly quizzes Test over chapter 2	11.2.1abcdef 11.2.3a	Same as state
Chapter 3 Linear systems and matrices	3.1 solve linear systems by graphing 3.2 solve linear systems algebraically 3.3 graph systems of linear inequalities 3.4 solve systems of linear equations in three variables	Notes given daily Questions answered Students do problems on the board/white boards Homework given daily Weekly quizzes Test over chapter 3	11.2.2eh 11.2.3a 11.3.2c	Same as state

Chapter 4 Quadratic functions and factoring	4.1 graph quadratic function in standard form 4.2 graph quadratic functions in vertex or intercept form 4.3 solve $x^2 + bx + c = 0$ by factoring 4.4 solve $ax^2 + bx + c = 0$ by factoring 4.5 solve quadratic equations by finding square roots 4.6 perform operations with complex numbers 4.7 complete the square 4.8 use the quadratic formula and the discriminant	Notes given daily Questions answered Students do problems on the board/whiteboards Homework given daily Weekly quizzes Test over chapter 4	11.2.1cg 11.2.2ejkln 11.2.3a	Same as state
Chapter 5 Polynomials and polynomial functions	5.1 use properties of exponents 5.2 evaluate and graph polynomial functions 5.3 add, subtract and multiply polynomials 5.4 factor and solve polynomials equations	Notes given daily Questions answered Students do problems on the board/white boards Homework given daily Weekly quizzes Test over chapter 5	11.2.2ei	Same as state
Chapter 6 Rational exponents and radical functions	6.1 evaluate nth roots and use rational exponents 6.2 apply properties of rational exponents 6.3 perform function operations and composition 6.4 use inverse functions 6.5 graph square root and cube root functions 6.6 solve radical equations	Notes given daily Questions answered Students do problems on the board/whiteboards Homework given daily Weekly quizzes Test over chapter 6	11.1.2b 11.2.1h 11.2.2cem 11.2.3a	Same as state
Chapter 7 Exponential and logarithmic functions	7.1 graph exponential growth functions 7.2 graph exponential decay functions 7.3 use functions involving e 7.4 evaluate logarithm and graph logarithmic functions 7.5 apply properties of logarithms 7.6 solve exponential and logarithmic equations	Notes given daily Short Video on growth/decay Questions answered Students do problems on the board/white boards Homework given daily Weekly quizzes Test over chapter 7	11.2.3a	Same as state

Chapter 8 Rational functions	8.1 model inverse and joint variation 8.2 graph simple rational functions 8.4 multiply and divide rational expressions 8.5 add and subtract rational expressions 8.6 solve rational equations	Notes given daily Questions answered Students do problems on the board/white boards Homework given daily Weekly quizzes Test over chapter 8	11.2.2de	Same as state
Chapter 10 Counting methods and probability	10.1 apply the counting principle and permutations 10.2 use combinations and the binomials theorem 10.3 define and use probability 10.4 find probabilities of disjoint and overlapping events 10.5 find probabilities of independent and dependent events	Notes given daily Questions answered Students do problems on the board/white boards Homework given daily Weekly quizzes Test over chapter 10	11.4.3abc	Same as state

Aquinas Catholic High School: American History

Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
Forms & Functions of Government	Analyze and evaluate the roles that political parties have played In the US	Each Presidential Election discussed and tested 1864-1876-1900-1904-1912-1916-1920-1924-1928-1932-1940-1948-1952-1956-1960-1964-1968-1972-1976-1980-1984-1988-1992	12.1.1	
Forms & Functions of Government	Analyze and evaluate US foreign Policy issues.	**Quizzes & Tests Chapters** Becoming a World Power World War I, World War II Cold War (Korean) 1960-70 (Vietnam) 1991 (Gulf War)	12.1.1	
Civic Participation	Evaluate how individuals and groups can Effectively use the structure and functions of various levels of government to shape policy.	Notes, quizzes, tests; Chapters Progressive Era & 1930's & 1960's	12.1.2	
Civic Participation	Analyze the significance and benefits of patriotic symbols, songs, holidays, and activities.	Every chapter and event and Incident when it is happens.	12.1.2.b	
Chronological Thinking	Examine the chronology of historical events throughout the world to evaluate their impact on the past, present, and future.	Notes, Quizzes, Tests All chapters forward from "Becoming a World Power"	12.4.1.c	
Markets & Institutions	Students will assess how market forces guide the owners of land, labor, and capital and determine the allocation of wealth in the economy.	Notes, Quizzes, Tests: American History Terms Nation Transformed 1930's	12.2.1	
Markets & Institutions	Explain how the factors of production are bought and sold in the market	Notes, Quizzes, Tests: American History Terms Nation Transformed & 1930's	SS 12.2.1.a	
Markets & Institutions	Analyze how market forces determine what producers choose to produce and which combination of productive resources will be most productive.	Notes, Quizzes, Tests: American History Terms Nation Transformed & 1930's	SS 12.2.1.d	
Markets & Institutions	Students will illustrate how markets determine prices and allocate goods and services.	Notes, Quizzes, Tests: American History Terms Nation Transformed & 1930's	SS 12.2.2	
Markets & Institutions	Hypothesize how competition between sellers could results in lower prices, higher quality products, and better customer service	Notes, Quizzes, Tests: American History Terms Nation Transformed & 1930's	SS 12.2.2.d	
Markets & Institutions	Explain how banks and a sound monetary system are critical to a functioning economy.	Notes, Quizzes, Tests 1930's	SS 12.2.3.c	

Markets & Institutions	Students will assess how private ownership of property is a basic institution of a market economy..	Notes, Quizzes, Tests: American History Terms Nation Transformed & 1930's	SS 12.2.4	
Markets & Institutions	Students will recognize and predict the impact that various economic systems will have on people.	Notes, Quizzes, Tests: American History Terms Nation Transformed & 1930's	SS 12.2.4.b	
Markets & Institutions	Students will recognize and predict the impact that various economic systems will have on people..	Notes, Quizzes, Tests: American History Terms Nation Transformed & 1930's	SS 12.2.5	
Financial Literacy	Assess the effects of taxes on personal income	Notes, Quizzes, Tests: American History Terms Nation Transformed & 1930's	SS 12.2.7.c	
Financial Literacy	Students will identify situations when borrowing money and paying interest may be a wise or unwise decision.	Notes, Quizzes, Tests: 1930's	SS 12.2.8.d	
Markets & Institutions	Students will analyze the roles and responsibilities of government in various economic systems**.**	Notes, Quizzes, Tests: American History Terms Nation Transformed & 1930's	SS 12.2.10	
Institutions & Government	Examine how governments utilize taxation to provide goods and services to society (e.g., disaster relief, flood control, police protection)	Every chapter and event and Incident when it is happens	SS 12.2.10.a	
Markets & Government	Analyze government policies and regulations in areas of market failure (e.g., monopolies, externalities, non-enforcement of property rights)	Notes, Quizzes, Tests: Progressive Era Nation Transformed & 1930's	SS 12.2.10.e	
Institutions & Government	Examine how governments can use taxing and spending policies to influence behavior (e.g., alcohol tax, home mortgage interest deduction).	Notes, Quizzes, Tests: Progressive Era, 1930s' & 1960's	SS 12.2.11.a	
Places & Regions	Examine the importance of places and regions to individual and social identity. (Nationality, Su-Cultures, Territorial, etc.)	Notes, Quizzes, Tests All chapters forward from "Civil War"	12.3.1.b	
Places & Regions	Analyze the changes in places and regions over time.	Notes, Quizzes, Tests All chapters forward from "Western Frontier"	12.3.2.c	
Physical Systems	Compare and Contrast world climate regions	Notes, Quizzes, Tests "Western Frontier"	12.3.3.e	
Human Systems	Analyze the push and pull factors driving human migration and impacts on the source regions and destinations.	Notes, Quizzes, Tests All chapters forward from "Western Frontier"	12.3.4.b	
Human Systems	Evaluate the spread of cultural traits to distinguish between convergence and divergence of cultures.	Notes, Quizzes, Tests All chapters forward from "Western Frontier"	12.3.4.e	
Human Systems	Identify and analyze patterns of power and influence of sovereign nations or organized nation groups. (NATO, UN)	Notes, Quizzes, Tests All chapters forward from "WW I "	12.3.4.h	
Human Systems	Identify and explain the factors that contribute to cooperation and conflict within and between countries.	Notes, Quizzes, Tests All chapters forward from "WW I	12.3.4.i	
Human/Environment Interactions	Evaluate ways that human depend on, adapt to, and modify the physical environment (AG, resource).	Notes, Quizzes, Tests All chapters forward from "Western Frontier"	12.3.5.b	

Human/Environment Interactions	Evaluate Successful solutions and problems Related to the physical environment from a geographical perspective. (AG, AC, Hybrid,) Support and refute theories,	Notes, Quizzes, Tests All chapters forward from "Western Frontier"	12.3.5.c	
Human/Environment Interactions	Analyze the impacts of technological innovations in shaping human interaction on the physical environment.	Notes, Quizzes, Tests All chapters forward from "Western Frontier"	12.3.5.e	
Chronological Thinking	Students will analyze how major past and current world events are chronologically connected, and evaluate their impact(s) upon one another.	Notes, Quizzes, Tests All chapters forward from "Becoming a World Power"	12.4.1	
Chronological Thinking	Describe concepts of time and chronology: in US history	Notes, Quizzes, Tests All chapters forward from "World War I"	12.4.1.a	
Chronological Thinking	Select, record, and interpret key national and global events in chronological order	Notes, Quizzes, Tests All chapters forward from "Becoming a World Power"	12.4.1.b	
Chronological Thinking	Examine the chronology of historical events in the US and throughout the world to evaluate their impact on the past, present, and future	Notes, Quizzes, Tests All chapters forward from "Becoming a World Power"	12.4.1.c	
Historical Comprehension	Students will analyze and evaluate the impact of people, events, ideas, and symbols upon US history using multiple types of sources.	Notes, Quizzes, Tests All chapters forward from Civil War	12.4.2	
Historical Comprehension	Students will analyze and evaluate the impact of people, events, ideas, and symbols, Including various cultures, ethnic groups, upon US history.	Notes, Quizzes, Tests All chapters forward from Civil War	12.4.2.a	
Historical Comprehension	Analyze and evaluate how the US has changed over the course of time, using maps, documents and other artifacts.	Notes, Quizzes, Tests All chapters forward from Civil War	12.4.2.b	
Historical Comprehension	Analyze and evaluate appropriate sues of primary and secondary sources.	Notes, Quizzes, Tests All chapters forward from Civil War	12.4.2.c	
Multiple Perspectives	Students will analyze and evaluate historical And current events from multiple perspectives.	Notes, Quizzes, Tests All chapters forward from Civil War	12.4.3	
Multiple Perspectives	Students will analyze how multiple perspectives facilitate the understanding the full story of US history	Notes, Quizzes, Tests All chapters forward from Civil War	12.4.3.a	
Multiple Perspectives	Compare and contrast primary and secondary sources to better understand multiple perspective of the same event.	Notes, Quizzes, Tests All chapters forward from Civil War	12.4.3.b	
Historical Analysis and Interpretation	Students will identify and evaluate the effects of past, current, and potential future events, issues, and problems	Notes, Quizzes, Tests All chapters forward from Civil War	12.4.4	
Historical Analysis and Interpretation	Compare & Evaluate contradictory historical Historical narratives of 20th century US History through determination of credibility, Contextualization and corroboration.	Notes, Quizzes, Tests All chapters forward from "Nation Transformed"	12.4.4.a	

Historical Analysis and Interpretation	Evaluate and formulate a position on alternative courses of action in United States and around the globe (e.g., *How does conflict impact political borders?*)	Notes, Quizzes, Tests All chapters forward from "becoming a World Power"	12.4.4.b	
Historical Analysis and Interpretation	Evaluate how decisions affected events across the world (e.g., revolutions, alliances, treaties)	Notes, Quizzes, Tests All chapters forward from Civil War	12.4.4.c	
Historical Analysis and Interpretation	Analyze and evaluate multiple causes and effects of key events in US history.	Notes, Quizzes, Tests All chapters forward from Civil War	12.4.4.d	
Historical Analysis and Interpretation	Evaluate the relationships among historical events in the United States and the students' lives today	Discuss and evaluation of current evetns.	12.4.4.e	
	Students will develop and apply Historical knowledge and skills to Research, analyze, and understand key concepts of past, current, and potential issues and events at the local, state, national, and international levels.			

Aquinas Catholic High School: [Anatomy]

Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
Introduction to Anatomy	-Define key terms such as anatomy, physiology, and homeostasis. - Recall and locate body planes, and body divisions. - Recall anatomical directions - Explain the organization of the body from cells to organ systems. - Distinguish between the types of organic compounds and their functions. - Distinguish between types of cell transport. - Distinguish between the 4 basic types of tissue functions and general structures. - Recall the major organ systems function and compilation or organs.	Labs Worksheets Quizzes Test	12.3.1a-12.3.1d	Same as State
Integumentary System	-Explain how the structure of the Integumentary system is related to its functions. -Distinguish between types of epithelial tissue and identity using a microscope. -Recall the layers of the skin and their functions. -Recall diseases or disorders associated with the integumentary system.	Labs Worksheets Quizzes Test	12.3.1	Same as State

Skeletal System	-Explain how the structure of the skeletal system is related to its functions. -Distinguish between the types of connective and identify using a microscope. - Recall the name and location of bones. -Understand how bones are related to growth. -Recognize the parts of a bone. -Recall the types of joint movements. -Recall diseases or disorders associated with the skeletal system.	Labs Worksheets Quizzes Test	12.3.1	Same as State
Muscular System	-Recall the names and location of muscles. -Identify and distinguish between types of muscle under the microscope. -Explain muscle movement. -Understand how injured or weakened muscles can be strengthened. -Recall diseases or disorders associated with the muscular system.	Labs Worksheets Quizzes Test	12.3.1	Same as State
Nervous System	-Recall major organs in the nervous system. -Understand how nerves transmit messages. -Identify the parts of a nerve. -Explain the difference between a knee jerk reaction and other reactions. -Recall diseases or disorders associated with the nervous system.	Labs Worksheets Quizzes Test	12.3.1	Same as State

Senses	-Recall the five basic senses. -Understand the parts that interact to allow those sense to work.	Labs Worksheets Quizzes Test	12.3.1	Same as State
Circulatory System	-Recall the names, location, and function of the organs in the circulatory system. -Distinguish between white blood cells and causes for increased counts. -Recall diseases or disorders associated with the circulatory system.	Labs Worksheets Quizzes Test	12.3.1	Same as State
Respiratory System	-Recall the names, location, and function of the organs in the respiratory system. -Recall diseases of disorders associated with the respiratory system.	Labs Worksheets Quizzes Test	12.3.1	Same as State
Digestive System	-Recall the names, location, and function of the organs in the digestive system. -Recall diseases of disorders associated with digestive system.	Labs Worksheets Quizzes Test	12.3.1	Same as State
Urinary System	-Recall the names, location, and function of the organs in the urinary system. -Analyze a simulated urine sample -Recall diseases or disorders associated with the urinary system.	Labs Worksheets Quizzes Test		Same as State

Reproductive System	-Recall the names, location, and function of the organs in the reproductive system. -Recall diseases or disorders associated with the reproductive system.	Labs Worksheets Quizzes Test	12.3.1 & 12.3.2	Same as State
Disease Diary	-research a human disease of the students choice from each of the 11 body systems. A description of the specific characteristics, causes, signs & symptoms, diagnosis and treatment for the disease will need to be explained.	Written Report	12.3.1	Same as State

Aquinas Catholic High School: [Art I]

Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
Contour Line Drawing	TLW: -Demonstrate & communicate understanding of contour line drawing -Create contour line drawing of chosen object	-Grading Rubric	12.2.1.a,d	PF3,PF15
-Line as an Element of Art -Van Gogh Oil Pastel Painting	TLW: -understand Vincent Van Gogh's effective use of line in his artwork -Create artwork using line techniques in the style of Van Gogh	Van Gogh WS Rubric	12.2.4.b,d 12.2.3.a-d	A4, A7, A1
12-Grid Value Drawing	TLW -Define and demonstrate understanding of value in art -Create value study of chosen object with 12 different points of view	Vale Gradation WS Rubric	12.2.1.b,d,e	PE5,PF31,32
Coil Pottery Maria Martinez	TLW -Understand Maria Martinez as influential Native American potter -Be introduced to design elements of Native American pottery -Define and demo. understanding of coil pottery technique -Create unique work using coil method	Maria Martinez WS Rubric	12.2.3.a,c,d 12.2.4.a,c,d 12.2.1.b,f	A1,3 PE,9-12 PF24,26-28

Two-Point Perspective Watercolor Painting	TLW: -Gain understanding of vocab. and technique associated with perspective drawing -demonstrate understanding of watercolor techniques -Create watercolor painting of chosen image, applying two-point perspective techniques	Rubric	12.2.3.b 12.2.1.a,d-f	PE7
Abstracting Images from Nature Georgia O'keefe Pastel Painting	TLW: -Understand abstract as a style of art -Be introduced to artwork of Georgia O'Keefe and her style of abstracting elements found in nature -Create abstract pastel painting using image	Rubric	12.2.3.a 12.2.1.d	PF16,17,22,32
Portraits in Art Chuck Close	TLW: -Be introduced to the artwork of Chuck Close -understand artists use art as form of expression to overcome obstacles in life -Demonstrate understanding of facial proportions in a portrait	Rubric	12.2.4.a,d 12.2.3.a 12.2.1.b	PF17,32
Printmaking Pop Art	TLW: -Understand characteristics of Pop Art -Be introduced to artists known for Pop Art style -Demonstrate understanding of printmaking techniques & safety -Create print in the Pop Art style	Rubric	12.2.4.b 12.2.3.b,c 12.2.1.b,f	A4,
Abstract Letters Acrylic Painting	TLW: -Gain understanding of lettering styles -Discuss Color Wheel and color combinations -Learn technique of straight line painting	Rubric	12.2.3.a,b 12.2.1.b,d	PF20, PF22, PE7

Artist Research Paper/Project	TLW: -Research artist from list -Write a paper about chosen artist with given criteria -Create a work of art either in the style of the artist, or recreate one of their works -Present report on artist -Present artwork	Rubric Presentation	12.2.4.a,b 12.2.4.d 12.2.1.b	H1,2
Artist in Residence	TLW: -Be introduced to technology used to create art -Gain understanding of stop motion animation -Demonstrate understanding of technology techniques learned	Participation grade	12.2.4.a	
Color Theory Using Color to Express Emotion	TLW: -Discuss color used to express emotion in art -Analyze artwork known for expressive use of color -Create work of art that expresses personal emotion	Rubric	12.2.4.d 12.2.3.b,d 12.2.1.d	PF21,22

Surrealism	TLW: -Gain an understanding for the art movement Surrealism -Identify characteristics of Surrealism			
Art History Game				

Aquinas Catholic High School: [Art II]

Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
Symbolic Self-Portrait Artists Frida Khalo, Vincent Van Gogh	TLW: -Be introduced to artists Frida Khalo and Van Gogh, their use of symbolism in self-portraits -Explore symbols of personal identity -Create symbolic self-portrait silhouette	Rubric	12.2.4.b-d 12.2.3.a,d 12.2.1.b	PF1
Commercial Artists Norman Rockwell	-Understand artists can choose to work in commercial design -Recognize Norman Rockwell as a commercial artist/illustrator -Discuss N Rockwell use of expression -Recreate a Rockwell painting in graphite	Rubric	12.2.4.a,d 12.2.3.c 12.2.1.c,d	PF7, PE3
Careers in Art	-Gain awareness of career choices in art -Understand requirements of differing careers -Further research career of interest -Create work of art based on chosen career	Rubric	12.2.4.a 12.2.3.d 12.2.1.a	PF9,3
Two-Point Perspective	-Review vocab. and rules of 2 pt perspective drawing -Create		12.2.3.b 12.2.1.d,e	

Artist Research Paper/Project	TLW: -Research artist from list -Write a paper about chosen artist with given criteria -Create a work of art either in the style of the artist, or recreate one of their works -Present report on artist -Present artwork	Rubric for artwork Written paper Oral Presentation	12.2.4.a,b 12.2.4.d 12.2.1.b	H1,2
Portrait Painting	-Compare/contrast portraits throughout history -Review facial proportions -Experiment with pastel shading -Research image to work from -Create portrait painting in chalk pastel	Rubric	12.2.4.a,b,d 12.2.3.a 12.2.1.b	PF 15, H9, PE5
Pottery – Shoe Sculpture Slab Method	TLW: -Define and demonstrate understanding of vocab. terms and techniques of clay slab construction -Using a shoe as a template, create shoe sculpture		12.2.1.c,e,f	A8, 9
Iconic Art Styles	-Discuss, analyze artistic styles on the 20th century -Define characteristics of differing styles -Research image of person with iconic status in your life -Create work of art with iconic figure as subject, in chosen artistic style		12.2.4.b,d 12.2.3.c 12.2.1.b,c	H7
Artist in Residence	TLW: -Be introduced to technology used to create art -Gain understanding of stop motion animation -Demonstrate understanding of technology techniques learned	Participation grade	12.2.4.a	

Art History Game				

Aquinas Catholic High School: [Art III]

Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
Gesture Drawing	TLW: -Define and demonstrate understanding of gesture lines -Understand line is an element of art -Create multiple gesture drawings of classmates	Rubric	12.2.1.d	
Using Text to Create Value	TLW: -Understand value as an element of art -Research image that has personal meaning -Use text to create value and express an idea or emotion associated with the image	Rubric	12.2.4.d 12.2.1.b,c,d	PF7,9
Architectural Styles (Ancient Egyptian, Classical, Gothic, Baroque, Victorian, Mission Revival, Modern, Art Deco, & Modern) Relief Sculpture	TLW: -Discover characteristics of architectural styles throughout history -Understand characteristics of relief sculpture -Research image of architectural structure from one of the periods -Demo. understanding of relief sculpture	Rubric	12.2.4.b 12.2.3.c 12.2.1.e	A8: PF20,21,22: H1
Commercial Art/Graphic Arts	TLW: -Discover evolution of commercial art from the late 1800's to today -Understand characteristics of effective graphic art design -Understand tools in Photoshop -Create magazine cover, or advertisement from unique image, manipulated in Photoshop	Rubric	12.2.4.a,b,d 12.2.3.b 12.2.1.b,c,d	PF2,4: PE2,3

Wheel Thrown Pottery Cultural Stages of Pottery (Greek, Contemporary American, Southwest Indians)	TLW: -Be introduced to characteristics of Greek, Contemp. American and SW Indian pottery -Understand form as an element of art -Demonstrate understanding of throwing pottery on the wheel -Create a unique wheel thrown work of art -Apply glaze	Rubric	12.2.4.b,d 12.2.3.a,c 12.2.1.d,f	H9
Stained Glass Mosaic	TLW: -Discuss and analyze early Christian mosaics from Byzantine Period -Demonstrate understanding of techniques and safety procedures for cutting glass -Design and create a unique stained glass mosaic	Rubric	12.2.4.b,c,d 12.2.3.c 12.2.1.b,c	A3,
Printmaking Reduction Print	TLW: -Review printmaking terms and safety procedures -Be introduced to reduction printmaking -Manipulate researched image in Photoshop -Create a series of unique prints using reduction method	Rubric	12.2.1.a,d,e	PF8.9
Watercolor Landscape Series	TLW: -Review and demonstrate understanding of watercolor techniques -Working from researched image, compose 4 different compositions from the image -Create a series of landscape paintings	Rubric	12.2.4.d 12.2.1.a,e	
Artist Research Paper/Project	TLW: -Research sculptors from list -Write a paper about chosen artist with given criteria -Create a work of art either in the style of the artist, or recreate one of their works -Present report on artist -Present artwork	Rubric for artwork Written paper Oral Presentation	12.2.4.a,b 12.2.4.d 12.2.1.b	H1,2,9-12

Artist in Residence	TLW: -Be introduced to technology used to create art -Gain understanding of stop motion animation -Demonstrate understanding of technology techniques learned	Participation grade	12.2.4.a	
Photography Finding Letters in Objects	TLW: -Understand basic techniques and camera settings -Demonstrate understanding of camera use through finding objects that resemble letters of the alphabet -Collage images together to complete a work	Rubric	12.2.1.a,f	
Foreshortening in Drawing	TLW: -View and discuss images of artwork foreshortening -Define foreshortening as an element of perspective in art -Photograph a classmate that demonstrates foreshortening -Draw the image, adding value and dimension through shading	Rubric	12.2.4.b 12.2.3.b 12.2.1.a,d	

Art History Game				

Aquinas Catholic High School: [Art IV]

Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
Wire Sculpture Alexander Calder	TLW: -Understand characteristics and style of the work of Alexander Calder -Be introduced to wire as a medium -Demonstrate understanding of techniques in wire sculpture -Create unique wire sculpture	Calder WS Rubric	12.2.3.a-d 12.2.1.a,d,f	
Photography Rules Photography Scavenger Hunt Photoshop Manipulation	TLW: -Understand elements of art as they apply to photography -Demonstrate understanding of elements in photography -Photograph objects/elements from given list -Demonstrate understanding of filters in Photoshop	Rubric	12.2.1.a,d,f	
Robert Raushenburg Mixed Media Collage	TLW: -Be introduced to artist Robert Raushenburg -Understand artists ability to capture historical events in a mixed media collage -Demonstrate understanding of composition in a collage and express personal voice	Rubric	12.2.4.a-d 12.2.1.a,b	
Pottery Series	TLW: -Use knowledge of various clay techniques to create a series of clay pieces -Create unity throughout series through design, texture or glaze applitcation -Apply glaze in decorative manner	Rubric	12.2.1.a-f	

Printmaking Design Print into Clay Tile	TLW: -Review printmaking process and asymmetrical design -Demonstrate understanding for asymmetrical design and transfer to printing plate -Create asymmetrical design print -Pressing printing plate into clay, create series of tiles with design	Rubric	12.2.3.b 12.2.1.a-f	
School Memory	TLW: -Research an image that has personal meaning, an event or memory from school years -Create a work of art from the image, choosing media	Rubric	12.2.1.a,b,d	
Artist in Residence	TLW: -Be introduced to technology used to create art -Gain understanding of stop motion animation -Demonstrate understanding of technology techniques learned	Participation grade	12.2.4.a	
Artist Research Paper/Project	TLW: -Research sculptors from list -Write a paper about chosen artist with given criteria -Create a work of art either in the style of the artist, or recreate one of their works -Present report on artist -Present artwork	Rubric for artwork Written paper Oral Presentation	12.2.4.a,b 12.2.4.d 12.2.1.b	H1,2,9-12
Fragmented Photography David Hockney	TLW: -Be introduced to work of photographer David Hockney -Understand abstract fragmentation in photography -Demonstrate understanding of fragmented photography with chosen subject matter	Rubric	12.2.3.a,c 12.2.1.b,d	

Contrast With Ink	TLW: -Be introduced to India Ink as a Painting medium -Define positive and negative space in art -Gain an understanding for techniques used, similar to watercolor -Create a work of art with high contrast, considering pos/neg space			
Art History Game				

Aquinas Catholic High School: [Art V]

Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
Independent Study	TLW: -With teacher approval, develop an individual plan for the school year, choosing art projects that focus on individual interests in art media, subject matter, and style.	Rubric	12.2.1.a-d	

Aquinas Catholic High School: Biology

Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
Scientific Methodology	TLW: - Recall the steps of scientific methodology - Understand science distinguishes itself from other ways of knowing and from other bodies of knowledge through use of experimental standards, logical arguments and skepticism - Design and conduct a scientific investigation - Recognize and revise scientific explanations using logic and evidence	Labs/Lab Report Quiz	12.1.1-12.1.3	12.1.1-12.1.4, 12.8.2-3
Exploration of Careers in Biology	TLW: - Research and write a report on a science career that interests them	Written report PowerPoint Presentation	12.1.2	Same as State
Chemistry of Life	TLW: - Recall parts of an atom - Distinguish between physical and chemical changes - Understand what causes a chemical reaction - Define acids and bases - Understand atoms form elements… compounds… organelles… cells	Daily Work Labs Daily Work Concept Map Quizzes Test	12.2.1	12.3.1, 12.3.2, 12.3.3

	- Identify the complex molecules (carbohydrates, lipids, proteins, nucleic acids) that makeup living organisms			
Cell Structure	TLW: - Understand all living things share a common characteristics - Recall how and who discovered cells - Recall the cell theory - Identify the structural parts and their functions in a cell - Distinguish between plant and animal cell - Understand the significance of cells to living organisms - Understand and distinguish between cell transport processes - Recognize the importance of cell size	Worksheets Daily Work Labs Cell Structure Foldable Webquest Quizzes Test	12.3.1a/b/c	12.1.2, 12.2.1, 12.4.1, 12.8.3
Cell Energy Processes	TLW: - Recall that cells are made of organelles…. Organic compounds… elements - Recall organic compound's functions and elements composition - Understand how organic compounds enter the cell (from mouth to cell transport) - Recall the word and chemical formulas for photosynthesis and cell respiration - Recall the steps for photosynthesis and cell	Worksheets Labs/Lab Report Quizzes Test	12.3.1 b/c	12.4.5

	respiration - Distinguish between photosynthesis and cell respiration - Distinguish between aerobic and anaerobic respiration			
Cell Reproduction	TLW: - Understand the cell cycle - Distinguish between asexual and sexual reproduction - Recall the actions during each stage of mitosis and meiosis - Identify and draw the stage of mitosis and meiosis - Debate the issue of cloning in our society	Worksheets Daily Work Labs Mitosis Foldable Meiosis Flipbook Webquest Quizzes Test	12.3.1	12.4.2
Mendelian Genetics	TLW: - Define traits, heredity, genetics, genes, alleles, and probability - Understand how Gregor Mendel discovered genetics - Explain Gregor Mendel's principles of heredity - Solve genetic scenarios for 1-trait and 2 trait crosses - Analyze how genetic disorders get passed down from generation to generation	Worksheets Daily Work Labs Vocab Writing Prompt Webquest Quizzes Test	12.3.2	12.4.2, 12.8.1, 12.8.3
Nucleic Acids & Proteins	TLW: - Recall who discovered the structure of DNA - Understand the chemical components of DNA - Recall the steps to DNA replication and protein synthesis - Distinguish between DNA	Daily Work Labs Timeline Activity Quizzes Test	12.1.2 b, 12.3.2	12.1.2, 12.4.2, 12.8.3

	and RNA - Differentiate between the 3 types of RNA - Using DNA codons to determine the correct amino acid sequence - Assemble a model of DNA to investigate DNA replication and protein synthesis - Identify the many different scientists involved in the discovery what is currently known about DNA and proteins			
	-			

Aquinas Catholic High School: Building Trades

Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
FOOTINGS & FOUNDATIONS UNIT	TLW 1. Read and study the Footings and Foundations Unit study guide. 2. Fill out a tools identification study guide over the tools found and used in the Aquinas St. Joseph's Shop 3. Layout concrete block location 4. Mix mortar 5. Record footing elevation irregularities using the laser level and rod/receiver 6. Determine wall mid-point block elevations 7. Attach layout strings to corner blocks to guide block placement. 8. Set 3 courses of block, maintaining 1/16" accuracy 9. Strike mortar joints 10. Observe blocks being cut with diamond grit blade. 11. Read and Study Power Tool Safety study guide 12. Read through the Shop Safety Rules 13. Read and Study Power Miter Saw Safety study guide 14. Read and Study Radial Arm Saw Safety study guide 15. Read and Study Air Nailer Safety study guide 16. Read and Study Circular Saw Safety study guide	1. Quizzes 2. Exams 3. Laboratory Performance 4. Hold plate cuts to within 1/32" of accuracy to reduce error build up.	Class standards are based on the ability of students using state of the art equipment to function safely and effectively to complete this unit in the construction industry. As well as state standard MA 11.3.3.a MA 11.3.3.b MA 11.3.3.c	

Floor Frame Unit	TLW 1. Read and study the Floor Frame Unit study guide 2. Set, level and straighten the floor supporting beam using the laser level 3. Cut treated lumber sill plate to desired lengths 4. Layout location of floor trusses every 19.2" on center. 5. Position and fasten floor trusses to the marked out treated sill plates, use of hammer and toenail, with treated 16d nails. 6. Cut, insert and fasten continuous lateral bridging to floor trusses. 7. Confirm squareness of floor size and squareness, adjust if necessary. 8. Cut, glue and fasten Tongue and Groove 4'x 8' floor sheathing to the floor trusses. 9. Watch demonstration before use of the Circular Saw on the panel saw.	1. Quizzes 2. Written Exam 3. Laboratory Performance	Class standards are based on the ability of students using state of the art equipment to function safely and effectively to complete this unit in the construction industry. As well as state standard MA 11.3.3.a	1. Individual presentation 2. Partner conversation 3. Vocab Quiz 4. Teacher Directed Oral Activities 5. Reading Activities 6. Written Activities 7. Video Activities Comprehensive exam
Wall Frame Unit	TLW 1. Read and study the Wall Framing Unit study guide 2. Use the floor plan to determine desired locations of door and window openings in the exterior walls. 3. Cut plate stock to desired lengths 4. Tack the sole and top plates together temporarily 5. Layout all framing locations on the plates at the desired locations in pencil 6. Cut and assemble window and door opening components 7. Cut and assemble partition nailer wall components. 8. Assemble corner unit stud assemblies 9. Separate plates and position on floor markings up	1. Quizzes 2. Written Exam 3. Laboratory Performance	Class standards are based on the ability of students using state of the art equipment to function safely and effectively to complete this unit in the construction industry. As well as state standard MA 11.3.3.a	

	10. Install and fasten studs, window and door components into the wall framing where needed. 11. Cut and fasten the remaining window framing into the desired wall sections. 12. Insert and attach partition nailers to plates 13. Insert, and attach corner units regular studs, crown side up, and all remaining wall frame to plates. 14. Tack the sole plate to the floor deck along the snapped chalk line. 15. Square up the framed wall sections and tack them to the floor. 16. Cut and attach the wall sheathing to the frame wall sections, 8d nails 8" on center. 17. Layout roof truss locations on the top of the cap plates 18. Tack on braces at each wall end. 19. Apply glue sealant to the floor under the sole plates, not doorways. 20. Erect and brace wall tops every 16-20'. 21. Secure wall at sole plate into floor trusses with 16d common nails. 22. Plumb walls at corners, to a true vertical. 23. Continue framing up the remaining exterior walls. 24. Attach wall sheathing where possible before erecting. 25. Attach wall sheathing remaining to erected end walls. 26. String the top plates, inner edge, and adjust braces as needed to obtain a straight wall. 27. Resume interior wall framing once the roof is on and windows and doors are installed.			

Roof Frame Unit	**TLW**	1. Quizzes	Class standards are based	
	1. Read and study the Roof Framing Unit study guide.	2. Written Exam	on the ability of students	
		3. Laboratory Performance	using state of the art	
	2. Using a tape measure, pencil and square, accurately layout truss edge locations on 2 x 4 rib bands and start a 16d nail near each layout mark.		equipment to function safely and effectively to complete this unit in the construction industry.	
	3. Designate and maintain a truss end as east or west while trusses are in the banded pile so that the shipped trusses do not get inadvertently installed reversed.		As well as state standard MA 11.3.3.a	
	4. Cut material banding and mark out the attic insulation depth of 12" on the truss webbing and top chords.			
	5. Carefully carry in trusses onto the floor, through the door opening.			
	6. Carefully rest the truss upside down on the exterior wall plates.			
	7. Tie on a rope to the truss top.			
	8. Swing up the truss into the correct position, pulling up on the rope and pushing up from below the truss, beginning with a full height truss near each end of the house.			
	9. Temporarily brace these 2 trusses from top chord near peak, down to the top plate of the wall. (If a hip roof is being constructed, set the truss that meets the top end of the hip attaching the hip truss to brace this first and last full height truss.)			
	10. Run a string from each nail driven into the tops of these first two trusses, sliding the string up about 2" above each truss peak.			
	11. Attach a rib band to the first and then the next truss in the row near the truss tops but not to interfering with the string at the peaks			
	12. Secure truss at the lower end with a 6" x ¼" lag screw running it upwards through the double top plate of the wall into the truss			

	bottom cord, one on each truss bearing point. 13. Secure each new truss to rib band and plates. 14. Add new rib bands one the others are full of trusses. 15. Diagonally brace the erected trusses, every 20' of plate length as you continue. 16. Nest the last 4 trusses up right on the wall plates and then fasten them to the desired layout marks on the plates. 17. Install drop end trusses at the gable ends. (If a hip roof is desired, mark out hip jack rafter position on the hip truss, position and secure the hip jack rafters along hip layout marks and plate layout marks.) 18. Mark out the desired tail length on the end trusses of the main span rafters. 19. Mark out the desired tail length on any additional span rafters. 20. Stretch out and snap a chalk line on the rafter tails between the tail markings on the end trusses. 21. Extend the chalk line marking on each truss down the side of each tail, bearing in mind the direction and face you wish to saw from to cut the tail to final length. 22. Mark out the rafter locations on the 2 x 6 sub-fascia materials. 23. Cut sub-fascia to desired length. 24. Attach sub-fascia material to the rafter tails, angling nails to prevent blow out and maintaining desired slope of the roof. 25. Mark out locations of the 2 x 4 ladder frame on the last two full height trusses, one at each end of the house on the top chords. 26. Position and secure the ladder frame to the first full height truss next to the drop end truss,			

	extending the other end out over the drop end truss. 27. Mark out and cut the fly rafters top angle cut, maintaining the top edge of the rafter as the crown up side. 28. Attach the top ladder frame to the fly rafter as instructed. 29. Fasten a temporary 3rd hand support to the end of the sub-fascia, to support free end of fly rafter. 30. Lift and secure the fly rafter into position at the top end, resting the free end in the 3rd hand holder. 31. TACK the lower end of the fly rafter into the end of the sub-fascia forming the corner of the roof. Tack only. 32. Extend ladder frame layout marks to the top edge fly rafters. 33. Secure ladder frames at these layout marks as needed. 34. Confirm fly rafter peak is resting at the desired location in proper alignment with the truss peaks. 35. Secure the ladder frames finally along the bottom edge, at the proper overhang distance, into the top edge of the drop truss, with one 16d nail each. 36. String the outer perimeter of the roof, placing a 1 ½" block of wood under the string at the string attachment points, as demonstrated 37. Adjust sub-fascia and fly rafter joint if needed and secure. 38. Clip off excess material from fly rafters. 39. Check overall roof dimensions, adjust for squareness. 40. Determine squareness of the building roof frame, with both tape and visible laser from Pacific Laser Systems.			

	41. Mark up the roof on each full height truss, on the top cord, measuring from the outer most top edge of the 2 x 6 sub-fascia a distance of 48 ¼" . 42. Snap a line across the rafters to locate the top edge of the first row of plywood sheathing applied, only pulling diagonal braces that interfere with the snapping of the chalk line. 43. Mark out the three 2' rafter center locations on the best face, long edge of the roof sheathing on each sheet. 44. Mark the fastener location using a drywall square designed for this, along the marked center locations 45. Carefully position and tack the long edge of the center marked roof sheathing, along this snapped line, at the 4 corners. 46. Shift rafters under the roof sheathing so that they hit the desired 2' center markings and secure every 8" on center. 47. Secure the ends of the sheathing at 6" centers, slightly leaning the nail to penetrate 48. Cut the end sheets to desired length lengths as requested by those applying sheets to the roof. 49. Insert plywood H clips at the center of each 2' rafter spacing, along the long edges of the rows of sheathing being laid on top of the trusses. 50. Apply sheathing to the remaining areas of the roof. 51. Cut top row of sheathing so that it top edge remains ¾" lower than the peak of the trusses.			

Roofing Materials Unit	TLW	1. Quizzes	Class standards are based	
	1. Read & Study Roofing Materials Unit study guide	2. Written Exam 3. Laboratory Performance	on the ability of students using state of the art equipment to function safely and effectively to complete this unit in the construction industry. As well as state standard MA 11.3.3.a	
	2. Cut and attach roof gutter and roof edge flashing in an overlapping water shedding manner.			
	3. Roll out and attach a synthetic roofers felt to the top side of the roof sheathing.			
	4. Determine and mark the center vertical line of the roof slope.			
	5. Attach a shingle starter strip to the lowest edge of the roof slope.			
	6. Develop a "Pyramid" shape of shingles at the lower edge of the roof.			
	7. Apply shingles to the roof taking 6 rows of shingles out to the ends of the roof, moving from the center of the span, fastening with a roofing nailer and the portable scaffolding.			
	8. Proceed to apply shingles and cut the tail ends of the 6 shingle rows to properly fit the roof edge flashing out at each end of the roof.			
	9. Drill hole through roof sheathing, for sewer stack protrusion			
	10. Install sewer boot pipe flashing over the drilled hole.			
	11. Attach sewer boot flashing to the roof sheathing.			
	12. Shingle around the sewer boot flashing.			
	13. Cut and apply all remaining rows of shingles.			
	14. Cut off excess edge on top row of shingles leaving a 1 ½" gap at roof peak for ventilation.			
	15. Carefully attach ridge vents to roof.			
	16. Attach cap shingles over top of the roof vents.			

	17. Black jack seal the last cap shingle nails and any visible nails in the sewer boot flashing.			
Cornice Application Unit	TLW 1. Read and study Soffit & Fascia Installation study guide. 2. Project the bottom edge of the sub-fascia on to the house wrap at each corner of the house. 3. Cut and attach the bottom edge of a 2 x 4 look out nailer, at this mark and flush with the outer most surface of the wall sheathing. 4. Mark ½" below this bottom edge of the look out at the corners of the building, and snap lines along each wall. 5. Lift the chalk line ¼" on long walls, at the mid- point to remove sag, once it has been pulled tight. 6. Cut and fasten with the 5/32" stapler, the "F" channel with it bottom edge tight to the snapped chalk line on the house wrap on both the rake and the eaves of the roof. 7. Measure the amount of overhang along the roof's perimeter to determine the soffit panel lengths. 8. Stack 3 uncut pieces of the desired soffit panel stock on the radial arm saw, mark and cut, while holding the ends flush with one another and wearing hearing protection. 9. Fasten all of the vented and non-vented soffit panels to the overhang with the 5/32" crown x 1 ¼" long staple. 10. Cut out around outlet and light fixture boxes placed in the soffit areas. 11. Cut and fold 1" around on the end of a textured steel fascia piece. 12. Insert the textured steel fascia under the roof edge flashing, fastening it in place along the bottom edge every	1. Quizzes 2. Laboratory Performance	Class standards are based on the ability of students using state of the art equipment to function safely and effectively to complete this unit in the construction industry. As well as state standard MA 11.3.3.a	

	16" on center with an exterior white trim nail. 13. Keep in mind the 1" overlapping requirement of the fascia to keep water from penetrating the shell, especially when working with inclined rake fascia. 14.			
Windows and Exterior Doors	TLW 1. Read & study window and door installation study guide 2. Carefully unload boxed window units into the home in the desired room of installation. 3. Carefully unload the exterior door units into the desired room of installation. 4. Apply house wrap to the exterior walls, disc stapling to every other stud, approximately 5 discs on every other stud. 5. Cut and staple house wrap at the window & door openings, taking a hem section through the wall and stapling it to the inside stud face. 6. Insert window into the opening from the outside of the wall, resting the window on 1/4" shims. 7. Drive a 1 ¾" roofing nail into an upper corner hole in the nailing flange. 8. Place a level on the longest edge of the window and determine if it is plumb or level, adjust as needed. 9. Drive a 2nd nail into the remaining upper corner of the window. 10. Recheck window for level or plumb on the longest edge, adjust if needed, otherwise insert and snug down roofing nails in each window flange hole. 11. Apply tape over the window flange and house wrap seam. 12. Check floor in doorways for level. 13. Apply a bead of sealant to the bottom side of the threshold and	1. Quizzes 2. Laboratory Performance	Class standards are based on the ability of students using state of the art equipment to function safely and effectively to complete this unit in the construction industry. As well as state standard MA 11.3.3.a	

	to the back side of the door brickmold. 14. Insert door into opening, tight to the wall sheathing. 15. Secure the door hinge jamb to the rough jambs with one 3 ½" torx head screw through each hinge. 16. Secure the strike jamb with one 3-½" screw located at the same horizontal height as the top and bottom hinge screw, hiding it behind the strike jamb weather strip and 1 screw in the strike plate mortise, being mindful of the space needed for the strike plate screws. 17. Secure the keyed entry lockset in the doors. 18. Adjust threshold if needed, close doors. 19. Hook up the gas line for the heater, checking for gas leaks. 20. Test run heater.			
Residential Plumbing Unit	TLW 1. Read & study the Residential Plumbing Unit study guide 2. Observe the installation of certain components of the DWV system in the home, with regards to the code that guides it's installation. 3. Observe the installation of a Pex type fitting, pipe and clamp 4. Inspect the rough in plumbing supply piping, DWV system in the home. 5. Place 1" pipe inserts into each drain opening to allow effective drywall router removal of drywall covering pipe fittings at each drain opening location. 6. Inspect the completed finish plumbing installation as the school year allows.	1. Quizzes 2. Written Exam 3. Laboratory Performance	Class standards are based on the ability of students using state of the art equipment to function safely and effectively to complete this unit in the construction industry. As well as state standard MA 11.3.3.a	

Residential Electrical Wiring Unit	TLW 1. Read & study the Residential Electrical Wiring Unit study guide. 2. Under the supervision and instruction of a licensed electrician the students will perform the below objective for the installation of the house wiring including: 3. Using electric and battery powered tools, drill holes in framing for the routing of the electrical wiring (romex) to the desired locations. 4. Mount electrical boxes where code requires. 5. Route the romex wiring through the holes drilled and across rafters and floor joists to the desired boxes. 6. At a later date install electrical receptacles, switches, outlets and lighting. 7. Observe the connection of home run circuits to the service panel.	1. Quizzes 2. Written Exam 3. Laboratory Performance	Class standards are based on the ability of students using state of the art equipment to function safely and effectively to complete this unit in the construction industry. As well as state standard MA 11.3.3.a	
Thermal Insulation Unit	TLW 1. Read & study the Thermal Insulation Unit study guide. 2. Unload insulation materials into the house project 3. Install full length batt insulation, R-19 or R-13 in the desired wall cavities. 4. Cut and install the desired batt insulation into the undersized wall cavities. 5. Cut and install insulation in and around headers, plumbing pipes and electrical boxes to provide a desired thermal barrier in these difficult locations. 6. Install a vapor barrier to the 'warm in winter" side of the exterior walls. 7. At a later date, apply a 12" deep blown in place R-38 attic insulation on the ceiling drywall. 8. At a later date apply a R-13 insulation into the interior walls	1. Quizzes 2. Written Exam 3. Laboratory Performance	Class standards are based on the ability of students using state of the art equipment to function safely and effectively to complete this unit in the construction industry. As well as state standard MA 11.3.3.a	

	where sound transmission is to be dampened. 9. Insert insulation behind the shower units and electrical panel.			
Drywall Hanging Unit	TLW 1. Read and study the Drywall Hanging unit study guide. 2. Mark out rafter centers on the cap plate 3. Mark out electrical box and stud center locations on the floor sheathing at the base of the walls. 4. Cut ceiling sheets 5/8" thick type X (firecode) and load them on the drywall lifter. 5. Nail and screw drywall to the ceilings 6. Use a drywall router to cut out the desired electrical and plumbing fittings otherwise concealed by the ceiling drywall. 7. Determine the correct sequence in which drywall sheets are to be hung on the walls. 8. Following the desired sequence install drywall sheets to the walls, minimizing tight fit sheets. 9. Cut out all electrical and plumbing fittings with a drywall router otherwise concealed by the drywall. 10. Cut and secure moister resistant drywall to the high splash areas in the home. 11. Cut and attach drywall to framed kitchen soffits and the last remaining surfaces inside the home. 12. Mark out fastener positions and screw off all drywall surfaces to framing behind being mindful of holding fasteners out of the ends of the headers at door and window openings. 13. Snug down all high fasteners.	1. Quizzes 2. Written Exam 3. Laboratory Performance	Class standards are based on the ability of students using state of the art equipment to function safely and effectively to complete this unit in the construction industry. As well as state standard MA 11.3.3.a	

	14. Attach all dura-bead steel corners using spray glue on the bottom 4 feet of each corner. 15. Cut out loose, damaged areas in drywall. 16. Cut out some drywall at doorways using a drywall saw			
Drywall Taping Unit	TLW 1. Read & study the Drywall Taping Unit study guide. 2. Apply perforated paper drywall tape to drywall seams using a 6" drywall knife and a 12" mud pan. 3. Apply perforated paper drywall tape to drywall seams using a dry tape taping banjo and seat the tape flatly against the wall. 4. Apply perforated paper drywall tape to drywall seams using a taping bazooka, auto-taper tool. 5. Scrape away the dried edges on the first coats of mud over the tape. 6. Apply second coat of taping compound mud over the taped seams using a 10" drywall knife. 7. Apply 2nd and 3rd coats of taping compound to tapered seams with mud boxes, 8". 8. Apply 2nd and third coats to butt end seams with a 10" mud and multiple width coats. 9. Coat the drywall seams with taping compound, 1st coat using a 6" knife and full thickness mud right out of the bucket. 10. Scrape seam edges and coat the seams and steel corners with mud boxes. 11. Build out steel coats to a full, flat lying seam. 12. Coat nail heads 3 coats, setting loose fasteners tight and re-coat. 13. Sand mud coats on seams where there is a distinguishable edge left with knife or mud box.	1. Quizzes 2. Written Exam 3. Laboratory Performance	Class standards are based on the ability of students using state of the art equipment to function safely and effectively to complete this unit in the construction industry. As well as state standard MA 11.3.3.a	

	14. Feather seam edges with thin mud 15. Sponge walls where drywall surfaces are fuzzy from sanding. 16. Sweep and vaccume floors. 17. Read and study airless sprayer safety study guide. 18. Estimate the primer paint for the home 19. Spray the premium primer on the vertical steel corners. 20. Prime all ceiling and walls surface with the sprayer. 21. Apply color satin finish paint to desired walls, up to headers. 22. Roll color satin finish latex paint up near ceilings, staying 4" away from ceiling. 23. Use the trim pad with wheels to extend color stain finish latex wall paint up tight to ceiling.			
INTERIOR DOORS AND TRIM	TLW 1. Ready and study the Interior Doors and Trim study guide. 2. Check floor for level at each of the doorway openings, marking a plus sign on the floor on the door jamb that is higher. 3. Check jambs for plumbness, marking with an arrow the direction each jamb leans if they are not plumb. 4. Secure the proper doorframe and pull off the packaging. 5. Lay shims on the floor to elevate the door's side jambs off of the floor. 6. Shim and attach the plumbed door jambs to the rough opening . 7. Trim off shim stock flush to jamb. 8. Cut and apply head casing to the door head jambs. 9. Cut and attach side casing to door side jambs, holding casing up off of the floor 3/8". 10. Glue casing joints at miters when fastening.	1. Quizzes 2. Written Exam 3. Laboratory Performance	Class standards are based on the ability of students using state of the art equipment to function safely and effectively to complete this unit in the construction industry. As well as state standard MA 11.3.3.a	

	11. Putty fill nail head holes in jambs and casing. 12. Attach door lockset hardware to swing doors. 13. Attach hardware required to jambs for bifold doors before assembly. 14. Assemble bifold door jambs. 15. Attach shimmed bifold door jambs to door rough openings 16. Attach door knob at desired location to the installed bifold door. 17. Cut and attach the door trim to the bifold door jambs. 18. Check for proper door operation and clearances.			
Exterior Wall Coverings Unit	TLW 1. Read & study the Exterior Wall Coverings Unit study guide. 2. Determine a suitable exposure for the horizontal siding by taking measurements at each of the outside corners on the home. 3. Determine the amount of siding required to side the home. 4. Cut and attach the top row of siding to final width, using remnant as the starter strip. 5. Cut and apply siding trim board around the exterior windows. 6. Cut and attach continuous outside corner siding pieces. 7. Cut and attach the horizontal siding to the walls of the home, leaving the desired end clearance at each siding piece end, placing fasteners so that they are hidden by the following rows. (Blind Nailing) 8. Caulk siding joints and deep nail heads with a quality color match caulk. 9. Touch up damage chips or flaws to siding with color matching paint.	1. Quizzes 2. Written Exam 3. Laboratory Performance	Class standards are based on the ability of students using state of the art equipment to function safely and effectively to complete this unit in the construction industry. As well as state standard MA 11.3.3.a	

Aquinas Catholic High School: Business Courses (Non-Technology)

Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
INTRODUCTION TO BUSINESS - CAREER PREPARATION AND JOB ACQUISITION	1. Students will understand career preparation and job acquisition skills required for employment, professional growth, and employment transitions in their chosen fields. a. They will demonstrate competency by matching skills and aptitudes for occupations, exploring career options, and applying job acquisition skills.	Career Project: 1. Career Research Summation Paper 2. Letter of Application 3. Professional Resume 4. Job Application 5. Mock Interview	NBEA Standards: 12.3.1 through 12.3.7 Applicable State Standards: R/W: 12.2.1 through 12.2.5, 12.3.2, 12.4.1 S: 12.1.1 SS/H: 12.4.20	?
INTRODUCTION TO BUSINESS - CONSUMER ECONOMICS	1. Students will understand basic economic principles in order to pursue their interests as consumers and producers in domestic and global economies. a. They will demonstrate competency by applying economic reasoning to individual, business, and government practices.	• Text Reading Questions in complete sentences • Quizzes • Group Activities • Tests	NBEA Standards: 12.6.1 through 12.6.6 Applicable State Standards: R/W: 12.2.1, 12.2.2, 12.2.5, 12.3.1, 12.4.1 S: 12.1.1, 12.7.2, 12.7.3 SS/H: 12.2.1 through 12.2.4, 12.2.10 through 12.2.13, 12.4.16 through 12.4.25	

INTRODUCTION TO BUSINESS – PERSONAL FINANCE	1. Students will understand the use of financial principles in making personal and business decisions. 2. They will demonstrate competency by applying and analyzing concepts and principles.	• Text Reading Questions in complete sentences • Quizzes • Group Activities • Simulations • Tests	NBEA Standards: 12.7.1 through 12.7.9 Applicable State Standards: M: 12.5.3 R/W: 12.1.1, 12.1.2, 12.2.5, 12.3.1, 12.4.1 S: 12.1.1 SS/H: 12.2.5 through 12.2.9, 12.3.18, 12.4.27	
ACCOUNTING PRINCIPLES	1. Students will understand accounting principles and procedures. a. They will demonstrate competency by preparing, maintaining, and interpreting accounting records.	• Quizzes: Problem & Objective • Simulation Problems: preparing, maintaining, and interpreting accounting records • Tests: Problem & Objective	NBEA Standards: 12.14.1 through 12.14.8 Applicable State Standards: M: 12.2.1 through 12.2.3 R/W: 12.1.1, 12.2.5, 12.3.1, 12.4.1 S: 12.1.1	
BUSINESS LAW	1. Students will understand the legal rights and responsibilities relevant to personal and business practices. a. They will demonstrate competency by analyzing and applying personal and business law.	• Text Reading Questions in complete sentences • Quizzes • Group Activities • Tests	NBEA Standards: 12.15.2, 12.15.4, 12.15.7 Applicable State Standards: M: 12.4.7 R/W: 12.1.1, 12.1.6, 12.2.1, 12.2.5, 12.3.1, 12.4.1 SS/H: 12.4.6, 12.4.7	
ENTREPRENEURSHIP	1. Students will understand how to organize and operate a business. a. They will demonstrate competency by applying entrepreneurial concepts in domestic and international systems.	• Text Reading Questions in complete sentences • Quizzes • Group Activities • Tests • Business Plan Project • Business Simulations • Oral/Visual Aid Presentations	NBEA Standards: 12.16.1 through 12.16.7 Applicable State Standards: M: 12.2.1 through 12.2.3, 12.4.7, 12.5.1, 12.6.4 R/W: 12.1.1, 12.1.2, 12.1.6, 12.2.1, 12.2.3 through 12.2.5, 12.3.1, 12.3.2, 12.4.1 S: 12.1.1 SS/H: 12.4.17, 12.4.26	

Aquinas Catholic High School: Cabinetry

Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
Shop & Power Tool Safety (Individual tool safety is introduced as the tool is needed in the shop throughout the school year)	TLW 1. Conduct themselves safely while in a shop setting following the shop safety rules posted on the shop walls and read through to the class at the beginning of the year. • The below Safety Study Guides and Quizzes are issued as the need for each tool becomes necessary in the shop or on the site. 2. Read & Study the Power Tool Safety study guide. 3. Sign Safety Pledge Form & obtain parents signatures. 4. Read & study Table Saw Safety study guide and watch demonstration 5. Read & Study Sander Safety Study Guide and watch demonstrations 6. Read & study Drill Safety Study Guide watch demonstration 7. Read & study Air Nailer Study guide and watch demonstration	1. Safety information is read through in class. 2. Quizzes 3. Laboratory performance / conduct. 4. Completed, signed by parent and returned Safety Pledge Form	Standards	

Initial Cabinet Construction	TLW	1. Quizzes	All class standards are	
(Individual tool safety is introduced as the tool is needed in the shop throughout the school year)	1. Read handout on study guide for initial cabinet construction. 2. Tape reading skills timed exercise 3. Study diagram pertaining to cabinet side panel properties 4. Study diagram regarding cabinet labels 5. Cut cabinet components using the table saw. 6. Cut dado and rabbet cuts using the table saw. 7. Read and study Sander Safety Study guide 8. Sand cabinet side panel interiors which need to be varnished. 9. Apply 2 coats of varnish to the sanded side panels. 10. Read & study Drill Safety Study Guide 11. Drill adjustable shelf peg holes in desired side panels 12. Drill pocket holes in side panels needed for face frame attachment. 13. Cut bottom panels to size 14. Drill pockets along best edge worst side. 15. Glue and fasten side panels to bottom panel with air nailer/stapler 16. Cut back panels 17. Glue and fasten back panel to bottom and side panels of cabinet with air nailer /stapler 18. Wash off glue squeeze out	2. Written exams 3. Laboratory performance	based on the ability of students using state of the art cabinetmaking equipment to safely and effectively produce quality cabinetry, expected in this field of industry.	
Hand and Power Tool Identification	TLW 1. Using the study guide the student will learn the names of various depicted hand and power tools used in the	1. Written exam		

	shop for the construction of cabinets.			
Face Frame Construction Unit	TLW 1. Read and study the Face Frame Construction Unit study guide hand out. 2. Rip 13/16" thick solid lumber to rough width as desired for the face frame components for all cabinets in home. 3. Read the Study Guide and observe demonstration on Surface planer 4. Read and Study the Power Miter Saw Study guide, observe demonstration on saw usage. 5. Cut the desired face stock to the desired length with the power miter saw. 6. Pocket hole drill the face frame rails and mullions for assembly. 7. Assemble drilled rails and mullions to the desired cabinet stiles. 8. Sand assembled face frames 9. Stain assembled face frames 10. Varnish 3 coats on the assembled face frames 11. Attach the varnished face frames to the cabinet carcass.	1. Quizzes 2. Written Exam 3. Laboratory Performance		
Drawer Construction Unit	TLW 1. Read and study the Drawer Construction Unit study guide. 2. Determine desired sizes and quantities of soft maple drawer stock needed. 3. Cut and assemble drawer panel glue-ups, reversing the wood grain on stock wider than 6". 4. Radial Arm Saw safety	1. Quizzes 2. Written Exam 3. Laboratory Performance		

	5. Plane down glued drawer stock panels to ½" thickness.			
	6. Using the table saw and radial arm saw, cut the planed drawer stock to exact length and widths needed for drawer end and side panels.			
	7. Load the drawer side and end panels into the dovetailing jig.			
	8. Check to see if the end panels are loaded into the top of the jig, correctly.			
	9. Check to see if the side panels are loaded into the front of the jig, correctly.			
	10. Read & Study Router Safety study guide.			
	11. Observe teacher demonstration of dovetailing a drawer joint with the bushing guided router.			
	12. Using the bushing guided router, cut the dovetail joints into the drawer side and end panels as needed.			
	13. Pencil mark identification of the drawer joints mated in the dovetail jig.			
	14. Dry assemble drawer dovetail joints and check fit at all 4 corners.			
	15. Belt sand flush, any dovetail joints with minor mis-alignments.			
	16. Use the table saw to dado cut the ¼" x ¼" bottom panel groove as illustrated.			
	17. Disc sand planer marks from panel interiors, leave intact mate markings.			
	18. Varnish, 2 coats, soft maple drawer end and side panel stock.			
	19. Cut the desired melamine bottom panel to desired size.			
	20. Assemble drawer panels with Roo glue at dovetail joints,			

	inserted bottom panel into unglued bottom dado. 21. Check squareness of the drawer and adjust if needed. 22. Let squared drawer rest undisturbed, overnight. 23. Attach drawer guide hardware to the assembled drawer box. 24. Attach drawer guide hardware to the cabinets. 25. Insert drawer into cabinet guides and check fit. 26. Cut, glue and assemble center cabinet supports for cabinet half of drawer guides 27. Attach drawer front stock to the drawer boxes. 28. Attach drawer bump buttons to the back side of the drawer fronts.			
Door Construction Unit	TLW 1. Read and study the Door Construction Unit study guide 2. Rip solid rustic cherry door frame stock at 2 3/8” and 3 ½” wide, with the table saw. 3. Plane the saw cut door frame stock down to 2 ¼” and to 3 3/8”, final widths. 4. Plane all 13/16” thick door frame down to a consistent ¾” thickness. 5. Develop a cut list for the desired doors on the kitchen cabinet layout drawing. 6. Read and study the shaper safety study guide. 7. Adjust the door machine shaper to begin cutting the rail ends. 8. Adjust the door machine to cut the door frame edge cuts 9. Rip rustic cherry door panel stock	1. Quizzes 2. Written Exam 3. Laboratory Performance		

	10. Joint the ripped door panel stock as needed 11. Glue up clamp rustic cherry door panels stock, reversing the wood grain. 12. Wash off excess glue squeeze out of glued panels. 13. Cut glued and set door panels to desired length with the radial arm saw. 14. Drum sand the door panels flush 15. Rip the overage material from the panel width, with the table saw. 16. Adjust the door machine and make the panel cuts on the door machine. 17. Sand the cove cut panels. 18. Disc sand the panel front scratches away 19. Assemble the door frame rails, stiles, mullions and panels 20. Insert panlyn pads into door rail, stiles, and mullion grooves 21. Glue the door frame joints with yellow wood glue. 22. Wash away glue squeeze out with tooth brush. 23. Square up door frame and let set. 24. Disc sand door frame 25. Pad sand door frames and panels 26. Router the door frame profile with a ¼" bead bit. 27. Final sand door frame 28. Sand routered door frame profile 29. Stain assemble, sanded and routered door frame exteriors.			

	30. Observe varnishing on back side of doors with 2 coats of varnish 31. Observe varnishing on front side of doors 3 coats. 32. Drill hinge holes in varnished door frame stiles 33. Attach door bump buttons to door stiles 34. Attach doors to the installed cabinets.			
Cabinet Installation Unit	1. Read and study the Cabinet Installation Unit study guide 2. Study the layout specified on the kitchen cabinet diagram. 3. Observe the cut out of openings in the cabinet back panels where needed. 4. Observe the cut out of the heat supply through the floor underneath desired cabinets. 5. Predrill and screw base cabinets to walls and one another. 6. Predrill and fasten the upper cabinets 7. Attach doors to mounted cabinets. 8. Apply door bump pads to walls as needed 9. Install lazy susan hardware to uppers 10. Install lazy susan hardware in base cabinets and then attach doors	1. Quizzes 2. Written Exam 3. Laboratory Performance		

Aquinas Catholic High School: Cad & Cabinetry

Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
Graphics Window Fundamentals	TLW 1. Customize the graphics window 2. Load desired tool bars 3. Draw out the tools bars by hand and identify each by name. 4. Set drawing limits 5. Set the type of units 6.	1. Quizzes 2. Exams 3. Laboratory Performance 4.	All class standards are based on the ability of students to effectively produce drawings to assist in the construction of cabinets.	
Floor Frame Unit		1. Quizzes 2. Written Exam 3. Laboratory Performance	Standards	1. Individual presentation 2. Partner conversation 3. Vocab Quiz 4. Teacher Directed Oral Activities 5. Reading Activities 6. Written Activities 7. Video Activities Comprehensive exam
Wall Frame Unit	1.	1. Quizzes 2. Written Exam 3. Laboratory Performance		
Roof Frame Unit		1. Quizzes 2. Written Exam 3. Laboratory Performance		

Roofing Materials Unit	1.	1. Quizzes 2. Written Exam 3. Laboratory Performance		
Cornice Application Unit	1.	1. Quizzes 2. Laboratory Performance		
Set windows and Exterior Doors		1. Quizzes 2. Laboratory Performance		
Residential Plumbing Unit		1. Quizzes 2. Written Exam 3. Laboratory Performance		
Residential Electrical Wiring Unit		1. Quizzes 2. Written Exam 3. Laboratory Performance		
Thermal Insulation Unit	1.	1. Quizzes 2. Written Exam 3. Laboratory Performance		

Drywall Hanging Unit	1.	1. Quizzes 2. Written Exam 3. Laboratory Performance		
Drywall Taping Unit	1.	1. Quizzes 2. Written Exam 3. Laboratory Performance		
INTERIOR DOORS AND TRIM	1.	1. Quizzes 2. Written Exam 3. Laboratory Performance		
Exterior Wall Coverings Unit	1.	1. Quizzes 2. Written Exam 3. Laboratory Performance		

Aquinas Catholic High School: Calculus

Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
Section P1 Graphs and Models	TSW review topics of polynomial function and their graphs TSW review polynomial vocabulary such as x- and y-intercepts	Homework: Pg. 8; 1-4, 17-23odd, 37, 41, 63, 67, 75		
Section P2 Linear Models and Rates of Change	TSW review topics of writing and graphing linear equations. TSW review Algebra vocabulary such as linear equation and rates of change.	Homework: Pg. 16; 1-6, 33-41odd, 59, 65, 67, 77		
Section P3 Functions and Their Graphs	TSW review Pre-Calc parent function and their graphs. TSW review function notation. TSW review vocabulary such as domain and range. TSW review determining domain and range of functions.	Homework: Pg. 27; 1, 7-11odd, 15, 45, 52		
Section 1.2 Finding Limits Graphically and Numerically	TSW understand the definition of the limit of a function. TSW be able to evaluate the limit of a function graphically and numerically. TSW be able to recognize situations in which the limit of a function does not exist. TSW know the $\varepsilon - \delta$ definition of a limit, and be able to find an δ to satisfy the definition given an ε.	Homework: Pg. 54; 5-17odd, 23, 25, 27-33odd(limit only), 41, 45, 49 Quiz /Test		

Section 1.3.1 Finding Limits Analytically	TSW understand and be able to apply properties of limits. TSW be able to evaluate the limit of a well behaved function analytically. Quiz/Test	Homework: Pg. 65; 5, 9, 17, 29, 37, 39		
Section 1.3.2 Finding Limits Analytically	TSW be able to evaluate the limit of a function analytically using factoring and rationalizing. Quiz/Test	Homework: Pg. 66; 49-59odd		
Section 1.3.3 Finding Limits Analytically	TSW be able to evaluate a limit using the Squeeze Theorem. TSW be able to evaluate limits of trig functions using the theorems. Quiz/Test	Homework: Pg. 66; 67-77odd, 87		
Section 1.4.1 Continuity and One-Sided Limits	TSW understand the definition of one-sided limits. TSW be able to evaluate the one-sided limits, and relate that to the limit. Quiz/Test	Homework: Pg. 76; 3-11odd, 12, 13, 15, 19-27odd Quiz/Test		
Section 1.4.2 Continuity and One-Sided Limits	TSW understand the definition of continuity. TSW be able to determine the continuity of a function at a point and open interval. TSW be able to apply the Intermediate Value Theorem.	Homework: Pg. 77, 33-47odd, 59, 63, 71, 75, 77, 83 Quiz/Test		

Section 1.5 Infinite Limits	TSW understand the definition of asymptotes and infinite limits. TSW be able to evaluate one-sided infinite limits. TSW understand that infinite limits are limits that do not exist.	Homework: Pg. 85; 3, 5, 11, 15, 19, 23, 29, 31, 33, 37, 47, 49, 55, 57, 69, 71 Quiz/Test		
Section 2.1.1 The Derivative and the Tangent Line Problem	TSW be able to find the slope of the tangent line of a curve at a specific point. TSW be able to find the derivative of a function using the limit definition.	Homework: Pg. 101; 1, 2, 7, 13, 17, 21, 23 Quiz/Test		
Section 2.1.2 The Derivative and the Tangent Line Problem	TSW be able to write the equation of the tangent line of a curve at a specific point. TSW be able to identify when a function is differentiable. TSW be able to pair a graph with the function of its derivative.	Homework: Pg. 102; 25a, 27a, 33, 39-44, 71-77odd Quiz/Test		
Section 2.2.1 Basic Differentiation Rules and Rates of Change	TSW be able to find basic derivatives using the constant, power, and sum/difference rules. TSW be able to rewrite a function in order to use special rules.	Homework: Pg. 113; 3-17odd, 25-35odd, 43, 45, 49, 93, 101, 103 Quiz/Test		
Section 2.2.2 Basic Differentiation Rules and Rates of Change	TSW be able to find the derivative of sine and cosine functions. TSW be able to solve for a constant to make a line tangent to a curve.	Homework: Pg. 113; 19-23odd, 37, 51, 55a, 57, 63, 69-72, 81-86 Quiz/Test		

Section 2.3.1 The Product and Quotient Rules and Higher-Order Derivatives	TSW be able to find the derivative of a function using the Product rule. Quiz/Test	Homework: Pg. 124; 1, 3, 5, 13, 17, 31, 39		
Section 2.3.2 The Product and Quotient Rules and Higher-Order Derivatives	TSW be able to find the derivative of a function using the Quotient Rule. Quiz/Test	Homework: Pg. 124; 7-12, 15, 25-29odd, 41		
Section 2.3.3 The Product and Quotient Rules and Higher-Order Derivatives	TSW be able to find the derivative of the remaining trig functions. TSW be able to verify the sec, csc, tan, and cot derivatives using trig identities and the quotient rule. Quiz/Test	Homework: Pg. 124; 43-46, 49, 61, 67a, 81		
Section 2.3.4 The Product and Quotient Rules and Higher-Order Derivatives	TSW be able to find higher-order derivatives. Quiz/Test	Homework: Pg. 125; 83, 85, 87, 89-92, 99, 100		
Section 2.3.5 The Product and Quotient Rules and Higher-Order Derivatives	TSW be able to use derivatives to find rates of change. Quiz/Test	Homework: Pg. 125; 75-77, 79. 101-103		

Section 2.4.1 The Chain Rule	TSW be able to find the derivative of a function using the chain rule.	Homework: Pg. 133; 1-3, 7-19odd(Rewrite 19 as $(x-2)^{-1}$), 67 Quiz/Test		
Section 2.4.2 The Chain Rule	TSW be able to find the derivative of a trig function using the chain rule	Homework: Pg. 133; 4-6, 47-52, 77 Quiz/Test		
Section 2.4.3 The Chain Rule	TSW be able to find the derivative of a function using the chain rule with another rule(chain, product, quotient)	Homework: Pg. 135; 25, 29, 61, 63, 89 Quiz/Test		
Section 2.5 Implicit Differentiation	TSW be able to find the derivative of a non-function equation by using implicit differentiation.	Homework: Pg. 142; 1, 5, 22, 25, 28, 35, 39 Quiz/Test		
Section 2.6.1 Related Rates	TSW be able to find the related rate of an equation/formula.	Homework: Pg. 149; 1, 5, 15, 19, 21, 23 Quiz/Test		

Section 2.6.2 Related Rates	TSW be able to use related rates to solve real life problems.	Homework: Pg. 150; 27, 30, 31, 36, 43 Quiz/Test		
Section 3.1 Extrema on an Interval	TSW be able to identify critical points of a function by using derivatives. TSW be able to find absolute extrema on a closed interval.	Homework: Pg. 165; 1, 5, 11, 15, 17, 23, 25, 29, 51-54 Quiz/Test		
Section 3.2 Rolle's Theorem and the Mean Value Theorem	TSW be able to identify when Rolle's Theorem can be applied, and apply it, when possible. TSW be able to identify when The Mean Value Theorem can be applied, and apply it, when possible.	Homework: Pg. 172; 1, 2, 7, 11, 13, 31, 35, 37 Quiz/Test		
Section 3.3 Increasing and Decreasing Functions and the First Derivative Test	TSW be able to identify intervals of increasing and decreasing by using critical points. TSW be able to identify relative extremas.	Homework: Pg. 181; 11-21odd, 33, 62 Quiz/Test		
Section 3.4 Concavity and the Second Derivative Test	TSW be able to identify the concavity of a function. TSW be able to identify Points of Inflection. TSW be able to use the first or second derivative tests to find extremas.	Homework: Pg. 189; 11-15odd, 27-31odd Quiz/Test		

Section 3.5 Limits at Infinity	TSW be able to determine the limit of a function as x approaches ∞ and -∞. Quiz/Test	Homework: Pg. 199; 15, 19-25odd, 33(Find the limit as $x \rightarrow \infty$ and limit as $x \rightarrow -\infty$)		
Section 3.6 Summary of Curve Sketching	TSW be able to sketch the graph of a function satisfying given information. Quiz/Test	Homework: Worksheet		
Section 3.7 Optimization Problems	TSW be able to write and solve equations for the minimum or maximum values, using derivatives. Quiz/Test	Homework: Pg. 216; 4, 6, 7, 11, 16-20, 39, 40		
Section 3.8 Newton's Method	TSW be able to use Newton's Method for approximating zeros. Quiz/Test	Homework: Pg. 226; 5, 9, 12		
Section 3.9 Differentials	TSW be able to find tangent line approximations TSW be able to evaluate Δy and dy. TSW be able to estimate the propagated error Quiz/Test	Homework: Pg. 233; 1, 7, 9, 29, 31, 45-47		

Section 4.1.1 Antiderivatives and Indefinite Integration	TSW be able to evaluate basic indefinite integrals using the power rule of integration.	Homework: Pg. 249; 15, 17, 19, 20, 21 Quiz/Test		
Section 4.1.2 Antiderivatives and Indefinite Integration	TSW be able to rewrite function into a form from which they can use the power rule to indefinite integrate.	Homework: Pg. 249; 9-14, 27, 29, 33 Quiz/Test		
Section 4.1.3 Antiderivatives and Indefinite Integration	TSW be able to integrate basic trig functions.	Homework: Pg. 249; 35-41odd Quiz/Test		
Section 4.1.4 Antiderivatives and Indefinite Integration	TSW be able to use integration to solve differential equations.	Homework: Pg. 250; 55-62 Quiz/Test		
Section 4.1.5 Antiderivatives and Indefinite Integration	TSW be able to use integration to solve vertical motion problems with initial velocity, initial position, and acceleration due to gravity.	Homework: Pg. 250; 63, 67, 71, 73-75 Quiz/Test		

Section 4.2-4.3 Lead in activity Approximating Area under a Curve	TSW use equivalent rectangles to approximate the area under a curve.	Homework: Worksheet Quiz/Test		
Section 4.2 Area	TSW be able to evaluate finite sums using summation formulas.	Homework: Pg. 261; 15-19odd, 35-43odd, 71 Quiz/Test		
Section 4.3.1 Riemann Sums and Definite Integrals	TSW be able to evaluate definite integrals using the limit definition.	Homework: Pg. 272; 3-8 Quiz/Test		
Section 4.3.2 Riemann Sums and Definite Integrals	TSW be able to set up a definite integral to determine the area under the curve. TSW be able to use geometric methods to find area under the curve. TSW be able to use basic properties of definite integrals.	Homework: Pg. 272; 13-39odd Quiz/Test		
Section 4.4.1 The Fundamental Theorem of Calculus	TSW be able to use the First Fundamental Theorem of Calculus to solve definite integrals.	Homework: Pg. 284; 5, 9-15odd, 23-35odd Quiz/Test		

Section 4.4.2 The Fundamental Theorem of Calculus	TSW be able to use the Second Fundamental Theorem of Calculus to find the derivative of definite integrals.	Homework: Pg. 286; 75-85odd, 88 Quiz/Test		
Section 4.5.1 Integration by Substitution	TSW be able to use u-substitution to find the indefinite integral.	Homework: Pg. 297; 7-23odd, 33 Quiz/Test		
Section 4.5.2 Integration by Substitution	TSW be able to use u-substitution to find the indefinite integral of trig functions.	Homework: Pg. 297; 41-51odd(Skip 47) Quiz/Test		
Section 4.5.3 Integration by Substitution	TSW be able to use u-substitution to find the indefinite integral when there are extra variables.	Homework: Pg. 298; 57-63odd[hint on 63: $u - 1 = (\sqrt{u} - 1)(\sqrt{u} + 1)$, and $u - \sqrt{u} = \sqrt{u}(\sqrt{u} - 1)$] Quiz/Test		
Section 4.5.4 Integration by Substitution	TSW be able to use u-substitution to find the definite integral.	Homework: Pg. 298; 65-75odd Quiz/Test		

Section 6.1 Area of a Region Between Two Curves	TSW be able to find the area between two curves	Homework: Pg. 418; 3, 15-25odd, 35(without calculator) Quiz/Test	
Section 5.1.1 The Natural Logarithmic Function: Differentiation	TSW review properties of natural log.	Homework: Pg. 321; 19-34, 105 Quiz/Test	
Section 5.1.2 The Natural Logarithmic Function: Differentiation	TSW evaluate the derivative of functions involving the natural log.	Homework: Pg. 322; 45-53odd, 63-73odd Quiz/Test	
Section 5.2.1 The Natural Logarithmic Function: Integration	TSW be able to evaluate integrals involving natural log.	Homework: Pg. 330; 1-21odd Quiz/Test	
Section 5.2.2 The Natural Logarithmic Function: Integration	TSW be able to evaluate integrals involving trig functions and natural log. TSW be able to evaluate definite integrals involving natural log.	Homework: Pg. 330; 29, 33, 35, 43-49odd Quiz/Test	

Section 5.4.1 Exponential Functions: Differentiation and Integration	TSW review solving exponential and logarithmic equations involving the natural base.	Homework: Pg. 347; 5-17odd Quiz/Test		
Section 5.4.2 Exponential Functions: Differentiation and Integration	TSW evaluate the derivatives of exponential functions involving the natural base.	Homework: Pg. 348; 39-57odd, 65 Quiz/Test		
Section 5.4.3 Exponential Functions: Differentiation and Integration	TSW solve integrals involving the natural base exponential functions.	Homework: Pg. 349; 89-105odd Quiz/Test		
Section 5.5.1 Bases Other Than e and Applications	TSW review solving exponential and logarithmic equations in bases other than e.	Homework: 357; 9, 11, 23, 24, 25-33odd Quiz/Test		
Section 5.5.2 Bases Other Than e and Applications	TSW be able to derive exponential functions involving bases other than e.	Homework: Pg. 357; 41-55odd Quiz/Test		

Section 5.5.3 Bases Other Than e and Applications	TSW be able evaluate integrals of exponential functions involving bases other than e.	Homework: Pg. 357; 61-68 Quiz/Test		
Section 5.6 Differential Equations: Growth and Decay	TSW be able to use exponential growth and decay models to solve problems.	Homework: Pg. 366; 21, 23, 33, 35, 37, 43, 45 Quiz/Test		
Section 5.8.1 Inverse Trigonometric Functions: Differentiation	TSW review inverse trig functions	Homework: Pg. 386; 17-20, 31, 32 Quiz/Test		
Section 5.8.2 Inverse Trigonometric Functions: Differentiation	TSW be able to take the derivative of inverse trig functions.	Homework: Pg. 386; 41-47odd, 64, 65, 71 Quiz/Test		
Section 5.9 Inverse Trigonometric Functions: Integration	TSW be able to integrate using inverse trig functions	Homework: Pg. 393; 1-13odd, 17, 23, [27 and 29 Bonus] Quiz/Test		

Section 5.10.1 Hyperbolic Functions	TSW be able to evaluate hyperbolic trig functions. TSW be able to verify hyperbolic trig identities. TSW be able to use one hyperbolic trig function to determine the other five.	Homework: Pg. 403; 1, 7, 9, 10, 13, 14 Quiz/Test		
Section 5.10.2 Hyperbolic Functions	TSW be able to derive hyperbolic trig functions.	Homework: Pg. 403; 15-27odd(skip 25), 87, 91 Quiz/Test		
Section 5.10.3 Hyperbolic Functions	TSW be able to integrate hyperbolic functions	Homework: Pg. 403; 39, 41, 45, 47 Quiz/Test		

Aquinas Catholic High School: Chemistry

Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
Intro to Chemistry	TLW: -Define Chemistry Describe branches of chemistry -Understand importance of chemistry & explore careers -Outline steps of scientific method -Differentiate between law, theory, & hypothesis	Rubric, quiz	12.1.2.a 12.1.2.b	12.8.1
Chemistry Toolkit	TLW: -Measure, convert, calculate using the metric system -Calculate derived units -Calculate using scientific notation -Recognize all measurements have uncertainty -Identify number of significant figures -Calculate using significant figures -Convert English to metric using dimensional analysis -Distinguish between types of graphs -Interpret a line graph -Distinguish between linear, quadratic, & inverse graphs	Lab Report, Quiz, Test	12.1.1	12.1.1 12.2.1
Matter- Properties and Change	TLW: -Distinguish between a physical and chemical property -Identify the three fundamental states of matter -Define physical and chemical change and give examples -Identify the indicators of chemical change	Lab Report, Test	12.1.1 12.2.1.b 12.2.1.c	12.3.2.B

	-Describe the law of conservation of mass -Distinguish between a homogeneous and heterogeneous mixture -Compare elements and compounds -Calculate mass percent of a compound			
The Structure of the Atom	TLW: -Recall history of Atomic Theory -Distinguish between subatomic particles -Calculate mass number and use it to find number of subatomic particles in an atom -Differentiate between mass number and atomic number -Identify elements by atomic number -Define isotope -Understand relationships between unstable nuclei and radioactive decay -Define alpha, beta, and gamma particles by mass and charge	Quiz, Lab Report, Test	12.2.1.a 12.2.1.f 12.2.1.g	12.3.1
Electron Configuration	TLW: -Understand the nature of light -Describe how emission spectra demonstrates the energy levels of an atom -Understand the development of the modern atom -Recall Quantum numbers and their meanings -Write electron configuration for elements -Define valence electrons and write electron dots for elements	Quiz, rubric, Lab Report, Test	12.2.1.f	12.3.2.A

Periodic Table	TLW: -Recall how the Periodic Table was developed -Describe arrangement of Periodic Table -Understand why group elements have similar properties -Distinguish between element groups and identify where they are location on the Periodic Table -Describe group and period trends for different properties	Quiz, Lab Report, Test	12.2.1.h 12.2.1.g	
Ionic Compounds	TLW: -Define electronegativity, Ion, and valence electron -Relate octet rule to ion formation -Describe strength of ionic bonds -Write chemical formulas using octet rule -Name ionic compounds -Describe characteristics of metallic bonds	Quiz, scoresheets, Lab Report, Test	12.2.1.a	12.3.2.C
Covalent Bonding	TLW: -Recall the three types of chemical bonds -Describe covalent bonds in terms of the octet rule -Distinguish between sigma and pi bonds -Describe bond length and strength for covalent bonds -Name binary molecules and acids -Draw Lewis structure for compounds -Recall exceptions to octet and why they occur -Identify molecular shapes with VSEPR theory -Determine hybridization for molecules -Distinguish between intermolecular forces -Determine polarity of a molecule	Quiz, Lab Report, Test	12.2.1.a	12.3.2.D

Chemical Reactions	TLW: -Recall evidences of chemical change -Write and balance different types of chemical equations -Distinguish between different reaction types -Complete chemical equations based on reaction type -Write complete and net ionic equations -Predict if a precipitate, water, gas or no reaction will occur for aqueous double replacement reactions -Predict the outcome of single replacement reactions	Quiz, Long Lab Report, Test	12.1.1.e 12.2.1.a 12.2.1.d	12.3.3.A 12.3.3.C
The Mole	TLW: -Understand the concept of the mole -Find molar mass of a compound -Perform conversions of moles, mass and number of particles -Define percent composition -Determine empirical and molecular formula -Define a hydrate	Quiz, Lab Report, Test	12.1.1.e	
Stoichiometry	TLW: -Determine mole ratio from a chemical equation -Perform stoichiometry calculations -Identify limiting reactants and calculate excess reactant left -Perform limiting reactants stoichiometry -Calculate percent yield -Define theoretical yield	Quiz, Lab Report, Test	12.1.1.l	
States of Matter	TLW: -Describe states of matter using kinetic molecular theory - Define intramolecular forces and how it effects the state of matter - Differentiate between liquid and solid by particle arrangement -Interpret phase diagram	Quiz, Lab Report, Test	12.2.1	12.3.2.E

Gases	TLW: -Describe relationships of pressure, temperature, volume, and amount of gas using gas laws -Perform calculations using gas laws -Perform calculations using the Ideal Gas Law.	Quiz, Lab Report, Test	12.2.1.c	12.3.2.E

Solutions	TLW: -Differentiate between a solution, colloid, and suspension -Define a solution and its parts -Determine the concentration of a solution in different ways -Define concentration of a solution -Explain how different factors affect solvation -Define solubility -Interpret a solubility diagram -Describe the four colligative properties	Quiz, Lab Report, Test	12.2.1.b	
Thermodynamics	TLW: -Distinguish between heat & temp -Describe how enthalpy affects reactions -Measure heat lost/general use calorimeter -Write Thermochemical equations -Apply Hess's law to calculate enthalpy -Calculate using heats of form Interpret Gibbs E & how it relates to reaction -Define entropy and determine increase/decrease	Quiz, Lab Report, Test	12.2.3.e 12.2.3.k	12.3.3.B

Reaction Rates	TLW: -Describe collision theory -Factors affecting reaction rates -Define catalyst & role in reaction -Identify factors affecting rate of reaction -Determine reaction order by initial rate -Describe relationship between rate and conc. -Inst. Reaction rates and & reaction mechanism -Describe reaction mechanism	Quiz, Lab Report, Test	12.2.1.e	12.3.3.D 12.3.3.E
Chemical Equilibrium	TLW: -State of Dynamic Balance -Write an equal expression -Define equal -Factors affecting equilibriums -Distinguish factors affecting equilibrium -Apply Le Chatelier Principle to equilibrium -Using Equilibrium constants -Calculate equal concentrations	Quiz, Lab Report, Test	12.1.1.l	
Acids/Bases	TLW: -Define acids/bases using different models -Describe acids/bases Determine degree of ionization by strength of acid base -Describe strength of conjugate base compared to acid -Define pH & pOH -Calculate pH & [H+] of strong & weak acids -Write heat reaction -Describe a buffer solution -Perform a titration	Quiz, Long Lab Report, Test	12.2.1.d	

Redox/Electrochemistry	TLW: -Define oxidation & reduction -Identify oxidation & reaction agent -Use half reaction to balance a redox reaction -Identify parts of voltaic cells -Describe structure of batteries -Identify impact of electrolysis in smelting	Quiz, Lab Report, Test	12.1.2.a	
Organic Chemistry	TLW: -Define organic chemistry -Difference between saturated and unsaturated -Identify & name alkanes, alkines, alkynes and aromatics -Describe structure & property of above -Describe structure and stereo isomers -Difference between cis & trans -Draw structure of isomers -Define polymers -Distinguish b/w addition & condensation polymers	Quiz, Lab Report, Test	12.1.2.a	12.3.2.F
Biochemistry	TLW: -Describe structure of amino acids & protein -Describe role of proteins -Describe mono, di & polysaccharides -Identify function of carbs -Describe fatty acids, triglycerides, phospholipids, steroids -Describe the function of lipids -Describe components of nucleic acid -Identify function & structure of DNA & RNA -Define role of ATP -Compare respiration,	Quiz, Lab Report, Test	12.1.2.a	12.3.2.F

	photosynthesis & fermentation			

Aquinas Catholic High School: College Algebra

Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
Section 0.1.1 Sets of Real Numbers	TSW learn/review basic set vocab	Homework Pg. 12; 1-24 Quiz/ Test		same
Section 0.1.2 Sets of Real Numbers	TSW review the different number sets in the real numbers and identify which are subsets of the others. TSW identify unions and intersections. TSW write inequalities in interval notation.	Homework Pg. 13; 25-43odd, 53-61odd, 69, 75 Quiz/ Test		Same
Section 0.2 Integer Exponents and Scientific Notation	TSW review properties of exponents and scientific notation.	Homework: Pg. 24; 35, 39, 47, 49, 51, 75, 77, 81, 91, 95, 121, 123, 127, 129 Quiz/ Test	**MA 11.2.2c**	Same
Section 0.3 Rational Exponents and Radicals	TSW review simplifying rational exponents/radicals	Homework: Pg. 37; 23, 27, 31, 37, 49, 59, 79, 85, 91, 95, 101, 111 Quiz/ Test	**MA 11.2.2c**	Same

Section 0.4.1 Polynomials	TSW add, subtract, and multiply polynomials.	Homework: Pg. 48; 2, 11-17, 25, 31, 43, 63, 69, 71 Quiz/ Test	**MA11.2.2i**	Same
Section 0.4.2 Polynomials	TSW divide polynomials TSW rationalize denominators.	Homework: Pg. 49; 81, 87, 89, 91, 97, 103, 107, 109, 113 Quiz/ Test	**MA11.2.2i**	Same
Section 0.5 Factoring Polynomials	TSW factor polynomials.	Homework: Pg. 58; 11, 17-19, 23, 27, 31, 41, 43, 45, 47, 48, 57, 97 Quiz/ Test	**MA 11.2.2j** **MA 11.2.2k**	Same
Section 0.6 Rational Expressions	TSW add, subtract, multiply, and divide rational expressions, and write answers in simplest form. TSW simplify complex fractions.	Homework: Pg. 68; 27, 33, 41, 45, 51, 53, 59, 61, 65, 75, 83, 85 Quiz/ Test	**MA 11.2.2d**	Same
Section 1.1 Equations	TSW be able to solve linear and rational equations. TSW be able to solve formulas for a specific variable	Homework: Pg. 88; 9-15odd, 23, 29, 37, 53, 55, 63, 67, 75, 83, 85 Quiz/ Test	**MA 11.2.1e** **MA 11.2.2b** **MA 11.2.2f** **MA 11.2.2g**	Same

Section 1.2 Applications of Linear Equations	TSW be able to solve application problems involving linear equations.	Homework: Pg. 96; 7, 12, 15, 19, 27, 29, 31, 33, 37, 41, 45, 51, 59 Quiz/ Test	**MA 11.2.1e** **MA 11.2.2b** **MA 11.2.3a**	Same
Section 1.3.1 Quadratic Equations	TSW be able to solve quadratic equations using any viable method.	Homework: Pg. 111; 9, 10, 17, 21, 23, 39, 48, 55, 57, 59 Quiz/ Test	**MA 11.2.1g** **MA 11.2.2l** **MA 11.2.2m**	Same
Section 1.3.2 Quadratic Equations	TSW be able to solve quadratics for a specific variable. TSW be able to determine and use the discriminant. TSW be able to write rational equations in quadratic form, and solve them.	Homework: Pg. 111; 63, 67, 73-77odd, 85, 95, 97, 99 Quiz/ Test	**MA 11.2.1g** **MA 11.2.2l** **MA 11.2.2m**	Same
Section 1.4 Application of Quadratic Equations	TSW be able to solve application problems involving quadratic equations.	Homework: Pg. 119; 1, 2, 7-13odd, 19, 25, 27, 37 Quiz/ Test	**MA 11.2.1g** **MA 11.2.3a**	Same
Section 1.5.1 Complex Numbers	TSW be able to define and perform operations on complex numbers. TSW be able to find powers of i.	Homework: Pg. 130; 17, 19, 23, 25, 35, 41, 45-51odd Quiz/ Test	**MA 11.2.2n** **MA 12.1.1b**	Same

Section 1.5.2 Complex Numbers	TSW be able to evaluate the absolute value of a complex number. TSW be able to solve quadratic equations with complex roots. TSW be able to factor the sum of two cubes.	Homework: Pg. 131; 53, 59, 67, 69, 73, 79, 83, 85, 87, 88 Quiz/ Test	**MA 11.2.2n** **MA 12.1.1b**	Same
Section 1.6 Polynomial and Radical Equations	TSW be able to solve polynomial and other equations by factoring. TSW be able to solve radical equations	Homework: Pg. 138; 5, 13, 17, 27, 37, 53 Quiz/ Test		Same
Section 1.7 Inequalities	TSW be able to solve linear, compound, quadratic, and rational inequalities.	Homework: Pg. 150; 21, 33, 37, 49, 51, 53, 63, 69, 73, 75 Quiz/ Test	**MA 11.2.1e** **MA 11.2.2b**	Same
Section 1.8 Absolute Value	TSW be able to solve absolute value equations and inequalities.	Homework: Pg. 158; 21, 25, 37, 41, 45, 51, 63, 69, 71, 73 Quiz/ Test	**MA 11.2.1f** **MA11.2.2g**	Same
Section 2.1 The Rectangular Coordinate System	TSW be able to graph linear equations. TSW be able to find the distance between two points. TSW be able to find the Midpoint of a line segment.	Homework: Pg. 187; 10, 11, 15, 21, 23, 24, 31, 35, 39, 45, 49, 50, 59, 69, 73, 79, 81, 87 Quiz/ Test		Same

Section 2.2 The Slope of a Nonvertical Line	TSW be able to find the slope of a line. TSW be able to use slope to solve problems. TSW be able to determine parallel and perpendicular lines using the slopes. Quiz/ Test	Homework: Pg. 200; 15, 33-39, 41, 53, 55, 56, 77, 79, 83	**MA 11.2.1e** **MA 11.3.2b**	Same
Section 2.3 Writing Equations of Lines	TSW be able to use point-slope form and slope intercept form to write equations of lines. TSW be able to write equations of parallel and perpendicular lines. TSW be able to use linear curve fitting to solve problems. Quiz/ Test	Homework: Pg. 214; 7, 9, 19, 21, 51, 53, 57, 59, 61, 65, 67, 71, 73, 85, 91, 101, 107, 108	**MA 11.2.1e** **MA 11.3.2c** **MA 11.4.2e**	Same
Section 2.4.1 Graphs of Equations	TSW be able to find intercepts. TSW be able to find symmetry. TSW be able to graph equations. Quiz/ Test	Homework: Pg. 234; 11, 13, 15, 25, 29, 31, 35, 39, 53, 57	**MA 11.2.1f** **MA 11.3.2k**	Same
Section 2.4.2 Graphs of Equations	TSW be able to write equations of circles in standard and general form. TSW be able to convert from general form of a circle to standard form of a circle. TSW be able to graph the equation of a circle. Quiz/ Test	Homework: Pg. 235; 73-79odd, 87, 91, 93, 97, 99	**MA 11.2.1f** **MA 11.3.2k**	Same
Section 2.5 Proportion and Variation	TSW be able to find the constant of variation. TSW be able to write variation equations. TSW be able to solve variation problems. Quiz/ Test	Homework: Pg. 244; 15, 17, 19, 20, 21-27odd, 28, 33, 39, 43, 45		Same

Section 3.1 Functions and Function Notation	TSW identify a function. TSW be able to find domain and range of a function TSW be able to evaluate a function TSW be able to graph functions by plotting points. Quiz/ Test	Homework: Pg. 272; 11-23odd, 29,37, 39, 45, 69, 71, 73, 77, 81	**MA 11.2.1a** **MA 11.2.1b** **MA 11.2.1c** **MA 11.2.1d** **MA 11.2.2e**	Same
Section 3.2 Quadratic Functions	TSW be able to find the vertex of a quadratic. TSW be able to graph a quadratic. TSW be able to use a quadratic function to solve max/min problems Quiz/ Test	Homework: Pg. 285; 15, 17, 19, 27, 29, 31, 37, 39, 43, 47, 51, 57, 59	**MA 11.2.1g** **MA 12.3.2f**	Same
Section 3.3 Polynomial and Other Functions	TSW be able to graph polynomial functions TSW be able to determine whether a function is even or odd TSW be able to identify intervals of increasing, decreasing, and constant. TSW be able to evaluate piecewise functions TSW be able to graph piecewise functions TSW be able to evaluate and graph greatest integer functions	Homework: Pg. 298; 11, 19-41odd, 45, 49, 53, 55 Quiz/ Test	**MA 12.2.1a**	Same
Section 3.4 Translation and Stretching Graphs	TSW be able to identify and graph transformations of graphs.	Homework: Pg. 313; 15, 23, 29, 33, 43, 47, 50, 53, 57, 61, 63, 65, 73 (Also describe the transformations performed for each graph, in the correct order if necessary) Quiz/ Test	**MA 12.2.1d**	Same
Section 3.5 Rational Functions	TSW be able to find domain of rational functions TSW be able to find vertical, horizontal, and slant asymptotes TSW be able to find x- and y-intercepts of rational functions TSW be able to graph rational functions	Homework: Pg. 333; 1, 3-9, 21, 23, 25, 31, 33, 35, 39, 41, 43, 45, 49, 57, 61, 75 Quiz/ Test		Same

Section 3.6 Operations on Functions	TSW be able to add, subtract, multiply, and divide functions. TSW be able to compose functions. TSW be able to find the domain of the different combinations of functions.	Homework: Pg. 349; 11-19odd, 25, 35, 41, 43, 47, 49, 51, 55, 59, 61 Quiz/ Test	**MA 11.2.2m** **MA 12.2.1d**	Same
Section 3.7 Inverse Functions	TSW be able to determine if a function is one-to-one. TSW be able to find the inverse of a one-to-one function. TSW be able to verify that two functions are inverses of each other.	Homework: Pg. 360; 5-19odd, 27, 29, 33, 45, 47 Quiz/ Test	**MA 11.2.1h**	Same
Section 4.1 Exponential Functions and Their Graphs	TSW be able to graph exponential functions TSW be able to find the domain and range of exponential functions. TSW be able to use compounding interest formulas to find balances.	Homework: Pg. 390; 27, 37, 55, 59, 67, 81, 85, 89, 93(Also must find domain and range on all graphs, and may use calculators on graphs) Quiz/ Test		Same
Section 4.2 Applications of Exponential Functions	TSW be able to solve applications of exponential functions	Homework: Pg. 398; 5, 9, 11, 15, 17, 21, 23, 35 Quiz/ Test	**MA 11.2.3a**	Same
Section 4.3 Logarithmic Functions and Their Graphs	TSW be able to rewrite from exponential to logarithmic and visa versa TSW be able to solve basic logarithmic equations.	Homework: Pg. 410; 17-49 odd Quiz/ Test		Same

Section 4.4 Applications of Logarithmic Functions	TSW be able to solve logarithmic application problems	Homework: Pg. 418; 7-25odd Quiz/ Test	**MA 11.2.3a**	Same
Section 4.5 Properties of Logarithms	TSW be able to use properties of logarithms to simplify TSW be able to condense logarithms TSW be able to expand logarithms TSW be able to use the change of base formula to evaluate logarithms.	Homework: Pg. 426; 11-17odd, 25-51odd, 89-95odd Quiz/ Test		Same
Section 4.6.1 Exponential and Logarithmic Equations	TSW be able to solve exponential functions	Homework: Pg. 437; 5-19odd, 25, 29, 31 Quiz/ Test		Same
Section 4.6.2 Exponential and Logarithmic Equations	TSW be able to solve logarithmic functions.	Homework: Pg. 437; 49-65odd, 73 Quiz/ Test		Same
Section 5.1.1 The Remainder and Factor Theorems; Synthetic Division	TSW be able to determine if a binomial is a factor TSW be able to use synthetic division	Homework: Pg. 461; 25, 29, 31, 33, 35, 37, 41, 43, 45 Quiz/ Test		Same

				Same
Section 5.1.2 The Remainder and Factor Theorems; Synthetic Division	TSW be able to use synthetic division to help find solutions TSW be able to write polynomial equations given zeros. Quiz/ Test	Homework: Pg. 461; 65-79odd, 83		Same
Section 5.2 Descartes' Rule of Signs and Bounds on Roots	TSW be able to determine the number of linear factors/roots of a polynomial TSW be able to find missing conjugate roots, and use them to write polynomial equations Quiz/ Test	Homework: Pg. 469; 17-31odd		Same
Section 5.3 Roots of Polynomial Equations	TSW be able to determine all the possible rational zeros of a polynomial equation TSW be able to find all the zeros of a polynomial equation. Quiz/ Test	Homework: Pg. 479; 5, 7, 11, 45-51odd		Same
Section 5.4 Approximating Irrational Roots of Polynomial Equations	TSW be able to show that a zero exists between two numbers. Quiz/ Test	Homework: Pg. 486; 7-15odd		Same
Section 6.1.1 Systems of Linear Equations	TSW be able to solve systems of two equations using elimination or substitution	Homework: Pg. 509; 17, 21, 25, 27, 29, 31, 33, 67, 69, 74(can choose between elimination and substitution on all problems) Quiz/ Test	**MA 11.2.2h**	Same

Section 6.1.2 Systems of Linear Equations	TSW be able to solve systems of three equations	Homework: Pg. 510; 49-55odd Quiz/ Test		Same
Section 6.2 Gaussian Elimination and Matrix Methods	TSW be able to solve linear systems by using reduced-row echelon form of matrices.	Homework: Pg. 523; 45-59odd Quiz/ Test		Same
Section 6.3 Matrix Algebra	TSW be able to perform basic matrix algebra operations.	Homework: Pg. 535; 13, 15, 19-35odd Quiz/ Test	**MA 12.1.1c** **MA 12.1.1e** **MA 12.1.2a** **MA 12.1.2b**	Same
Section 6.7.1 Graphs of Linear Inequalities	TSW be able to graph inequalities on the coordinate plane	Homework: Pg. 575; 5-19odd Quiz/ Test	**MA 11.2.2h**	Same
Section 6.7.2 Graphs of Linear Inequalities	TSW be able to graph systems of inequalities on the coordinate plane	Homework: Pg. 576; 21, 25, 29, 35, 39 Quiz/ Test	**MA 11.2.2h**	Same

				Same
Section 6.8 Linear Programming	TSW be able to solve linear programming problems.	Homework: Pg. 585; 5, 7, 13, 21, 23 Quiz/ Test		
Section 7.2.1 The Ellipse	TSW be able to graph equations of ellipses. TSW be able to rewrite equations of ellipses into standard form.	Homework: Pg. 627; 27-39odd Quiz/ Test	**MA 12.3.2f**	Same
Section 7.2.2 The Ellipse	TSW be able to write equations of ellipses with given qualities.	Homework: Pg. 627; 9-25odd Quiz/ Test	**MA 12.3.2f**	Same
Section 7.3 The Hyperbola	TSW be able to write equations of hyperbolas TSW be able to graph equations of hyperbolas. TSW be able to rewrite equations of hyperbolas into standard form.	Homework: Pg. 639; 7-13odd, 27, 29, 31, 35, 37, 39 Quiz/ Test	**MA 12.3.2f**	Same
Section 7.4 Solve Problems Using Nonlinear Systems of Equations	TSW be able to solve nonlinear systems of equations by either elimination or substitution	Homework: Pg. 648; 17-29odd, 35, 37, 51 Quiz/ Test		Same

Section 8.1 The Binomial Theorem	TSW be able to expand binomials using pascal's triangle	Homework: Pg. 669; 25-33odd(expand using pascal's triangle) Quiz/ Test		Same
Section 8.2 Sequences, Series, and Summation Notation	TSW be able to define sequences using both explicit and recursive rules TSW be able to understand and evaluate summations.	Homework: Pg. 676; 15, 16, 19-21, 24, 26, 27, 29, 31, 41-47odd, 53 Quiz/ Test		Same
Section 8.3 Arithmetic Sequences	TSW identify and write arithmetic sequences TSW be able to write explicit rules for arithmetic sequences. TSW be able to evaluate finite arithmetic series.	Homework: Pg. 682; 9, 11, 13, 21, 27, 29, 30, 35, 39, 43 Quiz/ Test	**MA 12.1.1f**	Same
Section 8.4 Geometric Sequences	TSW identify and write geometric sequences TSW be able to write explicit rules for geometric sequences. TSW be able to evaluate finite and infinite geometric series.	Homework: Pg. 685; 9, 11, 15, 19, 25-33odd, 39, 41, 61, 62(note that there are 64 squares on a chess board) Quiz/ Test	**MA 12.1.1f**	Same
Section 8.6 Permutations and Combinations	TSW be able to determine the number of possible outcomes using the counting principle, combinations, and permutations.	Homework: Pg. 705; 29-33odd, 37-53odd, 54, 59, 63, 71 Quiz/ Test	**MA 11.4.3b**	Same

Section 8.7 Probability	TSW be able to find the probability of a single event. TSW be able to find the probability of disjoint and overlapping events. TSW be able to find the probability of independent and dependent events occurring.	Homework: Pg. 712; 9-25odd, 29, 36, 46-49, 53 Quiz/ Test	**MA 11.4.3b** **MA 11.4.3c**	Same
Savings and Loans Activity	TSW be able to determine annuity and loan payments.	Packet		Same

Aquinas High School Curriculum [Computer Apps] Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
Copyright	TLW: demonstrate and advocate for legal and ethical behaviors among peers, family, and community regarding the use of technology information.	Test/Quiz Written and Created Projects	FA 12.1.1-FA 12.1.4 LA 12.4.1-12.4.2	N/A
Computer Hardware and History	TLW: demonstrate an understanding and explanation of troubleshooting concepts.	Test/Quiz Written and Created Projects	FA 12.1.1-FA 12.1.4 LA 12.4.1-12.4.2	N/A
Microsoft Office Suite	TLW: identify capabilities and limitations of contemporary and emerging technology resources and assess the potential of these systems and services to address personal, lifelong learning, and workplace needs. TLW: use technology and resources for managing and communicating personal/professional information.	Test/Quiz Written and Created Projects	FA 12.1.1-FA 12.1.4 LA 12.4.1-12.4.2	N/A

Internet Safety	TLW: make informed choices among technology systems, resources, and services.	Test/Quiz Written and Created Projects	FA 12.1.1-FA 12.1.4 LA 12.4.1-12.4.2	N/A
Website and Media Creation	TLW: investigate and apply expert systems, intelligent agents, and simulations in real-world situations.	Test/Quiz Written and Created Projects	FA 12.1.1-FA 12.1.4 LA 12.4.1-12.4.2	N/A
Blackboard Usage	TLW: Collaborate with peers, experts, and others to contribute to a content-related knowledge base by using technology to compiles, synthesize, produce, and disseminate information, models, and other creative works. TLW: evaluate technology-based options for lifelong learning. TLW: routinely and efficiently use on-line information resources to meet learning needs.	Test/Quiz Written and Created Projects	FA 12.1.1-FA 12.1.4 LA 12.4.1-12.4.2	N/A

Aquinas High School Curriculum [English I]
Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
Greek Mythology The Agamemnon Odysseus: Escaping Poseidon's Curse	TLW: understand the origin of Western Literature and Culture. TLW: read and interpret selected Greek and Roman myths.	Tests/Quizzes Presentations Group Work	LA 10.1.6.a, .b, .c, .g, .i, .j, .k, .l, .m, .n, .o LA 10.2.1.a, .d, .e, .f, .h, .i, .j LA 10.2.2.a, .b LA 10.3.1 LA 10.3.3 FA 12.1.1 FA 12.1.2 FA 12.1.3 FA 12.1.4	Same as state Skill 1 Skill 2
Elements of Fiction Of Mice and Men	TLW: apply various literary concepts to pieces of modern media. TLW: read and interpret various novels, poems, plays, and short stories.	Diagraming Tests/Quizzes Oral Expressions	LA 10.1.1 LA 10.1.2 LA 10.1.3, .a LA 10.1.4, .a LA 10.1.5 LA 10.1.6.a, .b, .c, .d, .e, .f, .g, .h, .i, .j, .k, .l, .m, .n, .o	Same as state Skill 1 Skill 2
Research Lord of the Flies 3-5 Page Term Paper	TLW: read and interpret various novels, poems, plays, and short stories.	Presentations Tests/Quizzes Written Work Group Work	LA 10.2.2 LA 10.2.1 LA 10.3.1 LA 10.3.2	Same as state Skill 1 Skill 2

	TLW: Write Paragraphs using standard English language. TLW: write a research paper in standard English Language TLW: use self-generated questions, note taking, summarizing, and outlining to enhance learning. TLW: use computers for research and writing. TLW: incorporate the 6 traits of writing.		LA 10.3.3 LA 10.4.1 LA 10.4.2 FA 12.1.1 FA 12.1.2 FA 12.1.3 FA 12.1.4	
Shakespeare The Two Gentlemen of Verona Romeo and Juliet	TLW: read and interpret selected works by William Shakespeare.	Tests/Quizzes Written Responses	LA 10.1.1 LA 10.1.2 LA 10.1.3 LA 10.1.4 LA 10.1.5 LA 10.1.6 LA 10.3.2.a, .b LA1 10.3.1.a LA 10.3.1.e FA 12.1.1 FA 12.1.2 FA 12.1.3 FA 12.1.4	Same as state Skill 1 Skill 2

Vocabulary and Grammar	TLW: apply various literary concepts to pieces of modern media. TLW: Write using standard English language and conventions.	Daily Journals Tests/Quizzes Written Work	LA 10.1.1 LA 10.1.2 LA 10.1.3 LA 10.1.4 LA 10.1.5 LA 10.1.6	Same as state Skill 1 Skill 2
Literary Devices Adventures of Huckleberry Finn	TLW: apply various literary concepts to pieces of modern media. TLW: use computers for research and writing. TLW: use self-generated questions, note taking, summarizing, and outlining to enhance learning. TLW: read and interpret various novels, poems, plays, and short stories.	Tests/Quizzes Diagraming, Presentations Group Work Written Responses	LA 10.3.3 LA 10.3.2 LA 10.3.1 LA 10.4.1 LA 10.4.2	Same as state Skill 1 Skill 2
Personal Reading	TLW: read novels independently and demonstrate	Written Responses Tests/Quizzes Accelerated Reader Presentations	LA 10.3.1.a, LA 10.4.1.a, .c LA 10.4.2.b	Same as state Skill 1 Skill 2

	comprehension of those novels.			

Aquinas Catholic High School: Geometry

Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
1.1 Identify Points, Lines, and Planes	TSW be able to use correct notation in reference to lines, line segments, rays, and planes. TSW be able to identify opposite rays, and collinear and coplanar points.	Homework: Pg. 5; 1-8, 10, 11, 16-22, 25 Quiz 1.1-1.2 Chapter 1 Test	MA 11.3.1a	Same
1.2 Use Segments and Congruence	TSW be able to use the ruler postulate to determine the length of a segment. TSW be able to use the segment addition postulate to find the length of a segment using other known segment lengths.	Homework: Pg. 12; 1, 2, 8, 9, 21, 22, 27, 28, 32 Quiz 1.1-1.2 Chapter 1 Test		Same
1.3 Use Midpoint and Distance Formula	TSW be able to use the midpoint to find the distance between points. TSW be able to use the midpoint formula to find the midpoint of a segment with endpoints on the Cartesian plane. TSW be able to use the distance formula to find the distance between points on the Cartesian plane.	Homework: Pg. 19; 1, 2, 5, 6, 11, 14, 17, 21, 31, 33, 52 Quiz 1.3-1.4 Chapter 1 Test	MA 11.3.2a MA 11.3.2d	Same
1.4 Measure and Classify Angles	TSW be able to classify angles as acute, right, obtuse or straight. TSW be able to use the protractor postulate to determine the measure of an angle. TSW be able to use the angle addition postulate to determine the measure of an angle using other known angle measures.	Homework: Pg. 28; 3, 15, 17, 19, 22, 24,26, 27, 29, 33, 37, 40, 41, 52 Quiz 1.3-1.4 Chapter 1 Test	MA 11.3.2e	Same

1.5 Describe Angle Pair Relationships	TSW be able to find complementary and supplementary angles. TSW be able to identify linear pairs, and adjacent and vertical angles.	Homework: Pg. 38; 2, 7, 11, 13, 17, 23-25, 27, 28, 30, 43 Quiz 1.5-1.6 Chapter 1 Test		Same
1.6 Classify Polygons	TSW be able to determine whether or not a figure is a polygon. TSW be able to classify polygons by convex and concave, by the number of sides, and by equilateral, equiangular, and regular.	Homework: Pg. 44; 1, 3-6, 8, 11, 12, 15, 25, 26 Quiz 1.5-1.6 Chapter 1 Test		Same
1.7 Find Perimeter, Circumference and Area	TSW be able to find the perimeter and area of triangles, squares, and rectangles. TSW be able to find the circumference and area of circles.	Homework: Pg. 52; 1, 5, 9, 12, 17, 23, 25, 27, 30, 31 Quiz 1.7 Chapter 1 Test	MA 11.2.2a MA 11.3.3a MA 11.3.3b	Same
2.2 Analyze Conditional Statements	TSW be able to write a conditional statement in if-then form. TSW be able to write the inverse, converse, and contrapositive of a conditional statement. TSW be able to determine if a statement is biconditional, and rewrite it using "if and only if."	Homework: Pg. 82; 5, 7, 8, 11-13, 17, 19, 21, 26, 35 Quiz 2.2&2.4 Chapter 2 Test		Same
2.4 Use Postulates and Diagrams	TSW be able to use the point, line and plane postulates.	Homework: Pg. 99; 3, 6-9, 15-23odd, 39 Quiz 2.2&2.4 Chapter 2 Test		Same

2.5 Reason Using Properties from Algebra	TSW be able to use the algebraic properties of equality to begin organizing proofs. TSW be able to identify the reflexive, symmetric, and transitive properties of equality.	Homework: Pg. 108; 3, 11, 21-25, 27, 29, 35 Quiz 2.5-2.6 Chapter 2 Test	MA 11.2.2b	Same
2.6 Prove Statements about Segments and Angles	TSW be able to write a two-column proof using the segment/angle addition postulates, algebraic properties, and the reflexive, symmetric, and transitive properties of equality/congruency.	Homework: Pg. 116; 1, 5-7, 9, 11, 17, 22, 23, 29 Quiz 2.5-2.6 Chapter 2 Test	MA 11.3.1b	Same
2.7 Prove Angle Pair Relationships	TSW be able to use the Linear Pair Postulate. TSW be able to prove and use the Right Angles Congruence Theorem, the Congruent Complements/Supplements Theorems, and the Vertical Angles Congruence Theorem.	Homework: Pg. 127; 2, 9, 12, 15, 17, 18, 19, 37 Quiz 2.7 Chapter 2 Test	MA 11.3.1b	Same
3.1 Identify Pairs of Lines and Angles	TSW know the vocabulary words: Parallel and skew lines, parallel planes, transveral line. TSW be able to identify parallel and skew lines. TSW be able to use the parallel and perpendicular postulate. TSW be able to identify corresponding, alternate interior, alternate exterior, and consecutive interior angles.	Homework: Pg. 150; 1, 3-7, 11-14, 19-23odd, 24, 37 Quiz 3.1-3.2 Chapter 3 Test		Same
3.2 Use Parallel Lines and Transversals	TSW use corresponding, alternate interior, alternate exterior, and consecutive interior angles formed by parallel lines and a transversal to find the measures of angles. TSW be able to use the corresponding angles postulate to prove the alternate interior, alternate exterior, and consecutive interior angles theorems.	Homework: Pg. 157; 1, 9, 11-13, 17, 22, 29, 37, 41 Quiz 3.1-3.2 Chapter 3 Test	MA 11.3.1b	Same

3.3 Prove Lines are Parallel	TSW use the converses of the corresponding, alternate interior, alternate exterior, and consecutive interior angles theorems/postulates to determine if lines are parallel. TSW be able to use the converse of the corresponding angles postulate to prove the alternate interior, alternate exterior, and consecutive interior angles converses.	Homework: Pg. 165; 1-7odd, 11-17odd, 20, 24, 28, 31, 36, 37 Quiz 3.3-3.4 Chapter 3 Test	MA 11.3.1b	Same
3.4 Find and Use Slope of Lines	TSW be able to find the slope of a line. TSW be able to determine if lines are parallel, perpendicular, or neither based on their slopes. TSW be able to identify which lines are steeper based on their slopes.	Homework: Pg. 175; 2-6, 12-15, 17-19, 33, 39 Quiz 3.3-3.4 Chapter 3 Test	MA 11.2.1e MA 11.3.2b	Same
3.5 Write and Graph Equations of Lines	TSW be able to write the equation of a line in slope-intercept form. TSW be able to write the equation of a line that is parallel or perpendicular to a given line. TSW be able to graph when the equation is in slope-intercept and standard form.	Homework: Pg. 184; 4, 13, 19-25, 33-38, 49-51 Quiz 3.5-3.6 Chapter 3 Test	MA 11.2.1e MA 11.3.2c	Same
3.6 Prove Theorems about Perpendicular Lines	TSW be able to use the Perpendicular transversal theorem and the lines perpendicular to a transversal theorem to determine if lines are parallel or perpendicular. TSW be able to find the distance between two parallel lines.	Homework: Pg. 194; 1, 7, 9, 13, 15, 22, 24, 31 Quiz 3.5-3.6 Chapter 3 Test	MA 11.3.1b	Same
4.1 Apply Triangle Sum Properties	TSW be able to use the Triangle Sum and Exterior angles Theorems. TSW be able to classify a triangle by its sides and angles.	Homework: Pg. 221; 1-10, 14-19, 31, 37 Quiz 4.1-4.2 Chapter 4 Test		Same

4.2 Apply Congruence and Triangles	TSW be able to identify congruent figures using the definition. TSW be able to write a congruency statement. TSW be able to use congruent figures to find unknown sides or angles.	Homework: Pg. 228; 3-11odd, 12, 26 Quiz 4.1-4.2 Chapter 4 Test	MA 11.3.1b MA 11.3.1c	Same
4.3 Prove Triangles Congruent by SSS	TSW be able to prove triangles congruent using the SSS congruence postulate. TSW be able to determine the stability of shapes by applying SSS congruence postulate.	Homework: Pg. 236; 1-6, 9, 13-19, 24 Quiz 4.3-4.4 Chapter 4 Test	MA 11.3.1b MA 11.3.1c	Same
4.4 Prove Triangles Congruent by SAS and HL	TSW be able to prove triangles congruent using SAS congruence postulate and HL congruence Theorem	Homework: Pg. 243; 1-15odd, 21-27odd, 34, 35 Quiz 4.3-4.4 Chapter 4 Test	MA 11.3.1b MA 11.3.1c	Same
4.5 Prove Triangles Congruent by ASA and AAS	TSW be able to probe triangles congruent using ASA congruence postulate and AAS congruence theorem	Homework: Pg. 252; 3-9, 14-17, 25, 34 Quiz 4.5-4.6 Chapter 4 Test	MA 11.3.1b MA 11.3.1c	Same
4.6 Use Congruent Triangles	TSW be able to use the previous triangle congruence theorems to prove triangles are congruent and use congruent triangles to find missing parts of congruent triangles.	Homework: Pg. 259; 1-6, 9, 10 and 11 Quiz 4.5-4.6 Chapter 4 Test	MA 11.3.1b MA 11.3.1c	Same

4.7 Use Isosceles and Equilateral Triangles	TSW be able to use the base angles theorem and its converse to find missing parts of isosceles and equilateral triangles.	Homework: Pg. 267, 3-13, 15-17 Quiz 4.7 Chapter 4 Test		Same
5.1 Midsegment Theorem and Coordinate Proof	TSW be able to identify a midsegment and use the midsegment theorem.	Homework: Pg. 298; 1, 3-11, 24-26, 35, 39 Quiz 5.1-5.2 Chapter 5 Test		Same
5.2 Use Perpendicular Bisector	TSW know the vocabulary terms and identify Perpendicular bisector, concurrent, and circumcenter. TSW be able to use the perpendicular bisector theorem/converse and circumcenter of triangles to find unknown lengths.	Homework: Pg. 306; 3-8, 11-17(Bonus: What is the length of BC?), 20-22 Quiz 5.1-5.2 Chapter 5 Test	MA 11.3.1h	Same
5.3 Use Angle Bisector	TSW know the vocabulary terms and identify angle bisector and incenter. TSW be able to use the angle bisector theorem/converse and incenter of triangles to find unknown lengths.	Homework: Pg. 313; 1, 2, 6-8, 10-14, 19, 20, 24, 29, 30 Quiz 5.3-5.4 Chapter 5 Test	MA 11.3.1h	Same
5.4 Use Medians and Altitudes	TSW know the vocabulary terms and identify median, altitude, orthocenter, and centroid. TSW be able to use the centroid to find unknown lengths.	Homework: Pg.322; 1-7, 13-15, 17-21, 33-35 Quiz 5.3-5.4 Chapter 5 Test	MA 11.3.1h	Same

5.5 Use Inequalities in a Triangle	TSW be able to determine the longest sides and largest angles. TSW be able to determine what side lengths are possible to make up a triangle.	Homework: Pg. 331; 7, 9, 16-26, 38 Quiz 5.5 Chapter 5 Test		Same
6.1 Ratios, Proportions, and the Geometric Mean	TSW be able to simplify ratios, and use ratios to find dimensions. TSW be able to solve proportions. TSW be able to find the geometric mean between two numbers.	Homework: Pg. 360; 3-6, 18-22, 23-31odd, 32, 34, 61 Quiz 6.1-6.2 Chapter 6 Test		Same
6.2 Use Proportions to Solve Geometric Problems	TSW be able to rewrite proportions using the different properties of proportions. TSW be able to use the properties of proportions to solve geometric problems. TSW be able to find the scale of a drawing.	Homework: Pg. 367; 1-5odd, 8, 12, 15, 16, 28, 29 Quiz 6.1-6.2 Chapter 6 Test		Same
6.3 Use Similar Polygons	TSW be able to identify similar polygons. TSW be able to find and use the scale factor of similar polygons to find missing geometric values.	Homework: Pg. 376; 1, 2, 5, 9-12, 14-17, 19, 21 Quiz 6.3-6.4 Chapter 6 Test	MA 11.3.1b MA 11.3.1c MA 11.3.1e MA 11.3.3c	Same
6.4 Prove Triangles Similar by AA	TSW be able to determine if two triangles are similar by AA, and then use similar triangles to find missing dimensions.	Homework: Pg. 384; 1-13odd, 14, 15, 31-33 Quiz 6.3-6.4 Chapter 6 Test	MA 11.3.1b MA 11.3.1c MA 11.3.1e	Same

6.5 Prove Triangles Similar by SSS and SAS	TSW be able to determine if two triangles are similar by SSS and SAS, and then use similar triangles to find missing dimensions.	Homework: Pg. 391; 1, 4, 8, 10, 11, 15 and 17, 33 Quiz 6.5-6.6 Chapter 6 Test	MA 11.3.1b MA 11.3.1c MA 11.3.1e		Same
6.6 Use Proportionality Theorems	TSW be able to use Proportionality Theorems 6.4-6.7 to find missing lengths and angles and to determine if lines are parallel.	Homework: Pg. 400; 1, 3, 5, 6, 10, 15, 17, 24 Quiz 6.5-6.6 Chapter 6 Test			Same
7.1 Apply Pythagorean Theorem	TSW be able to use the Pythagorean Theorem to identify missing sides of a right triangle.	Homework: Pg. 436; 1, 3, 5, 6, 13, 15, 19, 21, 25 Quiz 7.1-7.2 Chapter 7 Test	MA 11.3.1c MA 11.3.1d MA 11.3.1e		Same
7.2 Use the Converse of Pythagorean Theorem	TSW be able to use the converse of the Pythagorean Theorem to classify triangles by their angles.	Homework: Pg. 444; 1, 9-11, 15, 19, 21, 23 Quiz 7.1-7.2 Chapter 7 Test	MA 11.3.1c MA 11.3.1d MA 11.3.1e		Same
7.3 Use Similar Right Triangles	TSW be able to write a similarity statement for similar right triangles formed by an altitude of a right triangle. TSW be able to use geometric mean to find missing sides of triangles formed by the altitude of a right triangle.	Homework: Pg. 453; 1, 3, 7, 9(Just write the Similarity Statement), 13-17odd, 21-23, 27 Quiz 7.3-7.4 Chapter 7 Test	MA 11.3.1c MA 11.3.1d MA 11.3.1e		Same

7.4 Special Tight Triangles	TSW be able to find missing sides of special right triangles.	Homework: Pg. 461; 1-10, 13-17odd Quiz 7.3-7.4 Chapter 7 Test	MA 11.3.1c MA 11.3.1d MA 11.3.1e	Same
Recognizing Basic Trig Ratios	TSW be able to set up the basic trig ratios. TSW be able to correctly type into their calculator trig and inverse trig functions.	Homework: Trig Packet Pgs. 1-4 Quiz Trig Packet Chapter 7 Test	MA 11.3.1c MA 11.3.1d MA 11.3.1e	Same
Finding Sides Using Trigonometry	TSW be able to use trig functions to find missing sides of a right triangle.	Homework: Trig Packet Pgs. 5-8; all evens Quiz Trig Packet Chapter 7 Test	MA 11.3.1c MA 11.3.1d MA 11.3.1e	Same
Finding Angles Using Trigonometry	TSW be able to use trig functions to find missing angles of a right triangle. TSW be able to solve angle of elevation and depression story problems.	Homework: Trig Packet Pgs. 9-12 Quiz Trig Packet Chapter 7 Test	MA 11.3.1c MA 11.3.1d MA 11.3.1e	Same
8.1 Finding Angle Measure in Polygon	TSW be able to determine the sum of the interior and exterior angles of any polygon. TSW be able to use the sums to find a missing angle.	Homework: Pg. 510; 3, 5, 8-18even, 19, 24, 25 Quiz 8.1-8.2 Chapter 8 Test	MA 11.3.1c	Same

8.2 Use Properties of Parallelograms	TSW be able to apply properties of parallelograms.	Homework: Pg. 518; 3-15odd, 16, 23-28 Quiz 8.1-8.2 Chapter 8 Test	MA 11.3.1c	Same
8.3 Show that a Quadrilateral is a Parallelogram	TSW be able to use given information to determine if a quadrilateral is a parallelogram.	Homework: Pg. 526; 1, 3-6, 8-11, 15, 19-21 Quiz 8.3-8.4 Chapter 8 Test	MA 11.3.2f	Same
8.4 Properties of Rhombuses, Rectangles, and Squares	TSW be able to identify and use properties of rectangles, rhombuses, and squares.	Homework: Pg. 537; 3-13odd, 19-24, 26-29 Quiz 8.3-8.4 Chapter 8 Test	MA 11.3.2f	Same
8.5 Use Properties of Trapezoids and Kites	TSW be able to identify and use properties of Trapezoids and Kites.	Homework: Pg. 546; 3, 7, 13-16, 18-20, 25, 26 Quiz 8.5-8.6 Chapter 8 Test	MA 11.3.1c MA 11.3.2f	Same
8.6 Identify Special Quadrilaterals	TSW be able to identify the most specific name for a given quadrilateral	Homework: Pg. 554; 3-12, 14-16, 18-20 Quiz 8.5-8.6 Chapter 8 Test		Same

10.1 Use Properties of Tangents	TSW be able to identify the parts of a circle. TSW be able to use theorems about tangent lines.	Homework: Pg. 655; 1, 3-10, 18, 19, 20-26even Quiz 10.1-10.2 Chapter 10 Test	MA 11.3.1f MA 11.3.1g	Same
10.2 Find Arc Measures	TSW be able to find the measure of arcs and the arc length when given the radius and central angle.	Homework: Pg. 661; 2-10(also find arc length, let r=5) Quiz 10.1-10.2 Chapter 10 Test	MA 11.3.1f MA 11.3.1g MA 11.3.3d	Same
10.4 Use Inscribed Angles and Polygons	TSW be able to use the relationship between inscribed angles and intercepted arcs.	Homework: Worksheet Quiz 10.4-10.5 Chapter 10 Test	MA 11.3.1f MA 11.3.1g	Same
10.5 Apply Other Angle Relationships in Circles	TSW be able to use theorems about arcs and angles when tangents and secants meet.	Homework: Pg. 683; 1-5, 7-12 Quiz 10.4-10.5 Chapter 10 Test	MA 11.3.1f MA 11.3.1g	Same
10.6 Find Segment Lengths in Circles	TSW be able to find segment lengths in circles.	Homework: Worksheet Quiz 10.6-10.7 Chapter 10 Test		Same

10.7 Write and Graph Equations of Circles	TSW be able to write and graph equations of circles.	Homework: Pg. 702; 3-25odd Quiz 10.6-10.7 Chapter 10 Test	MA 11.3.2k	Same
11.1 Areas of Triangles and Parallelograms	TSW review area of Triangles, squares, and rectangles. TSW be able to find the area of parallelograms.	Homework: Pg. 723; 3, 5, 8, 12, 16, 18, 19, 22, 24 Quiz 11.1-11.2 Chapter 11 Test		Same
11.2 Areas of Trapezoids, Rhombuses, and Kites	TSW be able to find the area of Trapezoids, Rhombus, and Kites.	Homework: Pg. 733; 3, 7-13odd, 14, 17, 21, 29 Quiz 11.1-11.2 Chapter 11 Test		Same
11.3 Perimeter and Area of Similar Figures	TSW be able to find the area and perimeter of similar polygons	Homework: 740; 3, 4, 5-13odd Quiz 11.3&11.5 Chapter 11 Test	MA 11.3.3a MA 11.3.3b MA 11.3.3c	Same
11.5 Areas of Circles and Sectors	TSW be able to find the area of sectors of circles.	Homework: Pg. 758; 3, 7, 9, 13, 15, 17, 18, 30 Quiz 11.3&11.5 Chapter 11 Test	MA11.3.3d	Same

11.6 Areas of Regular Polygons	TSW be able to find the area of regular polygons.	Homework: Pg. 765; 1-9, 15, 16, 19, 20 Quiz 11.6-11.7 Chapter 11 Test		Same
11.7 Use Geometric Probability	TSW be able to use area and length to find geometric probability.	Homework: Pg. 774; 1, 3, 5, 8-10, 20, 21 Quiz 11.6-11.7 Chapter 11 Test		Same
12.1 Explore Solids	TSW be able to identify types of polyhedrons. TSW be able to identify number of faces, edges and vertices. TSW be able to apply Euler's Theorem TSW be able to identify cross sections of solids.	Homework: Pg. 798; 3-5, 11-19odd, 25-27, 31, 32	MA 12.3.2h	Same
12.2 Surface Area of Prisms and Cylinders	TSW be able to find the surface area of Prisms and cylinders	Homework: Pg. 806; 3-15, 23	MA 11.3.3e	Same
12.3 Surface Area of Pyramids and Cones	TSW be able to find the surface area of Pyramids and cones	Homework: Pg. 814; 6-8, 13-15, 17, 22, 23	MA 11.3.3e	Same

12.4 Volume of Prisms and Cylinders	TSW be able to find the volume of right Prisms and cylinders	Homework: Pg. 823; 4, 7-11, 15, 17-20	MA 11.3.3e	Same
12.5 Volume of Pyramids and Cones	TSW be able to find the volume of cones and pyramids.	Homework: Pg. 832; 3-5, 8, 12, 13, 20, 22, 24, 31	MA 11.3.3e	Same
12.6 Surface Area and Volume of Spheres	TSW be able to find the surface area and volume of spheres	Homework: Pg. 842; 3-5, 12-14, 16-18, 21, 23	MA 11.3.3e	Same
12.7 Explore Similar Solids	TSW be able to determine if two solids are similar. TSW be able to use ratios of similar solids to find surface area and volume.	Homework: Pg. 850; 3-6, 8-10, 12-15	MA 11.3.3c	Same

Aquinas Catholic High School: American Government

Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
Unit One: Foundations of Government	-Define government and the basic powers they hold -Understand the purpose of government in the United States and other countries -Classify governments according to who can participate, geographic distribution, and the relationship between branches	Reading quizzes Preamble to the Constitution assessment Exam with Forms of government essay	**SS 12.1.1 Students will analyze and evaluate the foundation, structures, and functions of the United States government as well as local, state, and international governments.** SS 12.1.1.c Analyze and evaluate the functions of United States government (e.g., national security, legislative law-making, executive implementation, judicial interpretation, constitutionalism, taxation, naturalization of citizens) SS 12.1.1.f Analyze and evaluate the foundation, structures, and functions of supranational organizations (e.g., United Nations, NATO, European Union, treaties, trade organizations)	
Unit Two : Origins of American Government	-Identify the three basic concepts of government from English tradition (Mayflower Compact) -Identify the events leading to the Declaration of Independence and analyze the political ideas of Thomas Jefferson -Describe the structure of the Articles of Confederation and explain how the weaknesses led to the Constitutional Convention	Documents quizzes Declaration of Independence "We hold these truths" Documents Exam	SS 12.1.1.a Summarize the historical foundation that influenced the creation of the United States Constitution (e.g., philosophers, social contract theory, natural rights, Constitutional Convention, Federalist, and Anti-Federalist Papers) SS 12.1.1.b Analyze and evaluate the structure of American constitutional government (e.g., federalism, democracy, representative government, branches of the government, separation of powers, checks and balances, amendment process, concurrent/enumerated/implied powers, electoral college)	

Unit Three The Constitution	-Outline the important elements to the Constitution -List, define, and give examples of the six basic principles to the Constitution -Explain the Amendment process found in Article 5 -Outline the 27 amendments that have been added to the Constitution	Articles quiz Basic Principles quiz Amendments Outline Constitution Exam	SS 12.1.1.b Analyze and evaluate the structure of American constitutional government (e.g., federalism, democracy, representative government, branches of the government, separation of powers, checks and balances, amendment process, concurrent/enumerated/implied powers, electoral college) SS 12.1.1.c Analyze and evaluate the functions of United States government (e.g., national security, legislative law-making, executive implementation, judicial interpretation, constitutionalism, taxation, naturalization of citizens)	
Unit 4 Political Parties	-Define a political party and describe the major functions -Identify the reasons why the USA has a two party system -Understand the origins of parties in American History -Identify the types of third parties and explain their importance	Political Party Chronology Political Party Exam	SS 12.1.2. c Engage in civic activities (e.g., discussing current issues, advocating for personal rights and the rights of others, influencing governmental actions, participating in civil discourse, registering for selective service, participating in community improvement activities, service learning) SS 12.1.1.g Analyze and evaluate the roles that political parties have played in the United States	
Unit 5 The Congress	-Describe and explain the bicameral nature of Congress -Identify the key aspects of each house of Congress in terms of qualifications, elections, size, leadership, and responsibilities. -List the powers of Congress found in Article 1 of the Constitution -Describe the legislative process in terms of a bill becoming a law -Analyze the Federal Budget	House of Representatives/Senate Quiz Powers of Congress quiz Congress Exam Letter to your Congress Representative	SS 12.1.1.c Analyze and evaluate the functions of United States government (e.g., national security, legislative law-making, executive implementation, judicial interpretation, constitutionalism, taxation, naturalization of citizens) SS 12.1.2.a Evaluate how individuals and groups can effectively use the structure and functions of various levels of government to shape policy (e.g., lobbying, voting, contacting government officials, petitioning) SS 12.2.11a Examine how governments can use taxing and spending policies to influence behavior 12.2.11b Examine the impact of fiscal policy on budget deficits/surpluses and national debt	

Unit 6 The Presidency	-List, describe, and give examples of the roles and powers of the President (Vice President) -Discuss the formal qualifications, term, pay and benefits of the President -Outline the Presidential election process from its origins through its evolution to today	Presidential Roles Application Project Election Quizzes President Exam	SS 12.1.1.c Analyze and evaluate the functions of United States government (e.g., national security, legislative law-making, executive implementation, judicial interpretation, constitutionalism, taxation, naturalization of citizens) SS 12.1.1.h Analyze and evaluate United States foreign policy issues (e.g. methods, approaches, events)	
Unit 8 Supreme Court	-Explain why the Constitution created a national judiciary and describe its structure -Define jurisdiction and apply the term to federal courts -Define the concept of judicial review -Outline the scope of the Supreme Court in terms of jurisdiction and review cases reaching the highest court	National Judiciary diagram Individual Supreme Court case review project Supreme Court exam	SS 12.1.1.c Analyze and evaluate the functions of United States government (e.g., national security, legislative law-making, executive implementation, judicial interpretation, constitutionalism, taxation, naturalization of citizens)	
Unit 9 Nebraska State Government	-Describe the structure and roles of the branches of State government including the Governor, Unicameral, and State Courts	State Government Exam	SS 12.1.1.e Analyze and evaluate the foundation, structures, and functions of state government (e.g., bicameral/unicameral, reapportionment/redistricting, branches of government) SS 12.1.1.d Analyze and evaluate the foundation, structures, and functions of local government (e.g., city council, school board, county government, regional boards)	

Unit 10 (Entire term) Current Events	-Research current event topics related to all branches and levels of government	Current Event research reviews Current Event Quizzes	SS 12.1.2.e Describe the roles and influences of individuals, groups, and the media as checks on governmental practices (e.g., interest groups, political action committees, lobbyists, public opinion polls) SS 12.1.2.d Analyze an issue and determine which level of government is most appropriate to utilize in addressing the issue SS 12.1.2.f Critique various media sources for accuracy and perspective	

Aquinas Catholic High School: [Honors English]

Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
Responsible for all English IV readings along with additional readings given on syllabus for each English IV unit	TLW: -apply readings to various essay questions with each unit to demonstrate the ability to summarize, analyze and synthesize information	Essay for each unit	-Fluency 12.1.4 -Vocabulary 12.1.5 a-e -Comprehension 12.1.6 a-d -Writing Process 12.2.1 b-d,j	Same as State Church Concepts/Attitude Skills I a-g II a-h
Essay Writings	-apply readings to various essay questions with each unit to demonstrate the ability to summarize, analyze and synthesize information	Essay for each unit	-Fluency 12.1.4 -Vocabulary 12.1.5 a-e -Comprehension 12.1.6 a-d -Writing Process 12.2.1 b-d,j	Same as State Church Concepts/Attitude Skills I a-g II a-h
Independent Reading-must be AP books	-read AP level books for English IV independent reading and demonstrate ability to summarize, analyze and synthesize information by selecting and answering a variety of Honors questions.	Honors English response (along with Eng IV Response)	-Fluency 12.1.4 -Vocabulary 12.1.5 a-e -Comprehension 12.1.6 a-d -Writing Process 12.2.1 b-d,j	Same as State Church Concepts/Attitude Skills I a-g II a-h

Aquinas Catholic High School: [High School Marching Band]
Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
Teach a Marching Show for Competition and for a Home Football Performance	To teach all students to Play with q good tone, correct rhythms, correct notes, good articulations, good Dynamics, correct phrasing, stay on pitch, correct breathing, good posture, and Good Stag Presents on and off the field. Students will Also memorize all music.	Performance on 10/1/2016 10/8/2016 1022/2016 Home Football halftime Oct 14, 2016	FA 12.4.1 Perform music with accuracy FA12.4.1A Elements of expressive performance FA 12.4.1B Create. Evaluate, and refine musical ideas FA12.4.1.e Connect music to Historical and cultural context.	12.4.2 thorough Knowledge of manners and dress 12.4.2B Performance of Varies styles of music 12.3.1 A Study of rhythm is band pieces 12/3/2B Beauty of movements 12.4.3C Recognition of types of music
High School Parade Marching	To teach all students all of The above qualities plus Marching in straight lines and columns, to the beat of the music in step and with the drum cadence While the students are playing the memorized music.	Performance on 09/05/2016 10/1/2016	FA 12.4.1 Students will read and perform music with an idea of movement	8.3.1 C 12/4/2/E Use music to build school spirit, service to the school
High School Band will learn 5 new pieces of pepband music for the Many pepbands that we play throughout the year	Learn and play the music correctly, with as many or as few members that we might have.	Performance at Football games, Volleyball games, then Basketball games	FA12.4.1 Students will perform music with analytical understanding	12/4/2/E Use music to build school spirit, service to the school
High School Concert - December	Students will switch to concert band practice and rehearsal To teach all students to Play with q good tone, correct rhythms, correct notes, good articulations, good Dynamics, correct phrasing, stay on pitch, correct breathing, good posture, and Good Stag techniques.	Performance in December the Advent Concert December 14, 2016	FA 12/4/1 FA 12.4.2	12.4.2A 12.4.2B 12.4.2C 12.5.4E 12.5.4F 12.4.3A 12.4.3B 12.3.5D

High School Band Music Contest Season Prepare Solos, small ensembles And Large Ensemble for contest Jazz Band will begin the 2nd semester.	Play with q good tone, correct rhythms, correct notes, good articulations, good Dynamics, correct phrasing, stay on pitch, correct breathing, good posture, and Good Stag techniques	Nebraska state Music contest in April of 1017 May Concert Graduation	12.4.1.a Independent compositional ideas for elements of expressive intent FA 12.4.2 Students will play independent of others FA 12.4.1.b Create, evaluate and refine musical ideas FA 12.4.1.c Analyze comp. devices in student creations	2.4.2 2.4.3 5.4.2 5.4.3 2.4.1 5.4.1
Middle School Band 1st semester Work on Pep band music Start concert band after first 6 weeks Work on Concert Music for The December Concert	Play with q good tone, correct rhythms, correct notes, good articulations, good Dynamics, correct phrasing, stay on pitch, correct breathing, good posture, and Good Stag techniques	December Concert Dec 14, 2016	FA 8.4.1a Develop a compositional piece for the purpose of expressive intent FA 8.4.1e Connect music to history and cultural.	5.3.3 8.3.3 8.5.4 8.4.3
Middle school contest and concert season begins	Play with q good tone, correct rhythms, correct notes, good articulations, good Dynamics, correct phrasing, stay on pitch, correct breathing, good posture, and Good Stag techniques	Malcolm Music Contest For all solos and ensembles as well as Full Band	FA 8.4.2b Students will play solo and ensembles to develop and refine a musical performance FA 8.4.2.c Play music with increasing difficulty with proper tone, phrasing, dynamics and articulation	8.4.2 8.3.1 8.3.2 8.4.3
Middle School Choir 6th, 7th & 8th	Students will learn to sing vocal music in parts and harmony with other sections.	Middle School Advent concert – December December 14, 2016 Final concert May 2017	FA 8.4.2 FA 8.4.2.a FA 8.4.2.b FA 8.4.2.c FA 8.4.2.d FA 8.4.3a b c d	8.4.2 8.3.1 8.3.2 8.3.4 8.4.3
High School Musical	Students will try out for and learn music and text for a full length musical	March 2017	FA 12.4.1 FA 12.4.1.a FA 12.4.1 FA 12.4.1.c FA 12.4.1.e	12.3.1 12.3.2 12.3.5 12.4.3

Beginning Band	Students will learn about the Woodwind, brass, & percussion Families, and pick an instrument To play. They will begin lessons On their chosen instruments.	Assessment will be done by the instructor and a group assessment will take place with a concert On December 14, 2016	FA 5 .4.2.a.b.c.d FA 5.4.3.a.b.c.d FA 5.4.1.b.d	2.4.2 a.b.e 2.4.3. 5.4.2.
High School Jazz Band	Students will learn how to play Blues, swing, latin, rock and jazz Music, 2nd semester only.	Assessment = High school District music contest May Concert	FA 12.4.1.a.b.c.d.e	12.4.3. 12.3.1 12.3.2

Aquinas Catholic High School: [High School Marching Band]

Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
Teach a Marching Show for Competition and for a Home Football Performance	To teach all students to Play with q good tone, correct rhythms, correct notes, good articulations, good Dynamics, correct phrasing, stay on pitch, correct breathing, good posture, and Good Stag Presents on and off the field. Students will Also memorize all music.	Performance on 10/1/2016 10/8/2016 1022/2016 Home Football halftime Oct 14, 2016	FA 12.4.1 Perform music with accuracy FA12.4.1A Elements of expressive performance FA 12.4.1B Create. Evaluate, and refine musical ideas FA12.4.1.e Connect music to Historical and cultural context.	12.4.2 thorough Knowledge of manners and dress 12.4.2B Performance of Varies styles of music 12.3.1 A Study of rhythm is band pieces 12/3/2B Beauty of movements 12.4.3C Recognition of types of music
High School Parade Marching	To teach all students all of The above qualities plus Marching in straight lines and columns, to the beat of the music in step and with the drum cadence While the students are playing the memorized music.	Performance on 09/05/2016 Schyular Parade for Labor Day.	FA 12.4.1 Students will read and perform music with an idea of movement	8.3.1 C 12/4/2/E Use music to build school spirit, service to the school
High School Band will learn 5 new pieces of pep band music for the Many pep bands that we play throughout the year	Learn and play the music correctly, with as many or as few members that we might have.	Performance at Football games, Volleyball games, then Basketball games	FA12.4.1 Students will perform music with analytical understanding	12/4/2/E Use music to build school spirit, service to the school
High School Concert - December	Students will switch to concert band practice and rehearsal To teach all students to Play with q good tone, correct rhythms, correct notes, good articulations, good Dynamics, correct phrasing, stay on pitch, correct breathing, good posture, and Good Stag techniques.	Performance in December the Advent Concert Pep band for Basketball season begins.	FA 12/4/1 Students will perform music with analytical understanding. FA 12.4.2 Students will play using technical accuracy and expression.	12.4.2A Performance of various styles of music classic and contemporary. 12.4.2B 12.4.2C Concerts held each year 12.5.4E build school spirit 12.5.4F Perform quality 12.4.3A 12.4.3B 12.3.5D

High School Band Music Contest Season Prepare Solos, small ensembles And Large Ensemble for contest Jazz Band will begin the 2nd semester.	Play with q good tone, correct rhythms, correct notes, good articulations, good Dynamics, correct phrasing, stay on pitch, correct breathing, good posture, and Good Stag techniques	Nebraska state Music contest in April of 1017 May Concert Graduation	12.4.1.a Independent compositional ideas for elements of expressive intent FA 12.4.2 Students will play independent of others FA 12.4.1.b Create, evaluate and refine musical ideas FA 12.4.1.c Analyze comp. devices in student creations	5.4.2 5.4.3 2.4.1 5.4.1
Middle School Band 1st semester Work on Pep band music Start concert band after first 6 weeks Work on Concert Music for The December Concert	Play with q good tone, correct rhythms, correct notes, good articulations, good Dynamics, correct phrasing, stay on pitch, correct breathing, good posture, and Good Stag techniques	December Concert	FA 8.4.1a Develop a compositional piece for the purpose of expressive intent FA 8.4.1e Connect music to history and cultural.	5.3.3 8.3.3 8.5.4 8.4.3
Middle school contest and concert season begins	Play with q good tone, correct rhythms, correct notes, good articulations, good Dynamics, correct phrasing, stay on pitch, correct breathing, good posture, and Good Stag techniques	Malcolm Music Contest For all solos and ensembles as well as Full Band	FA 8.4.2b Students will play solo and ensembles to develop and refine a musical performance FA 8.4.2.c Play music with increasing difficulty with proper tone, phrasing, dynamics and articulation	8.4.2 8.3.1 8.3.2 8.4.3
Middle School Choir 6th, 7th & 8th	Students will learn to sing vocal music in parts and harmony with other sections.	Middle School Advent concert – December Final concert May 2017	FA 8.4.2Students will sing using technical accuracy and expression FA 8.4.2.a FA 8.4.2.b FA 8.4.2.c FA 8.4.2.d FA 8.4.3a b c d	8.4.2 8.3.1 8.3.2 8.3.4 8.4.3
High School Musical	Students will try out for and learn music and text for a full length musical	March 2017 3 performances	FA 12.4.1 Students will read and perform music with technical accuracy FA 12.4.1.a FA 12.4.1 FA 12.4.1.c FA 12.4.1.e	12.3.1 12.3.2 12.3.5 12.4.3

Aquinas Catholic High School: Journalism

Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
Associated Press Style Writing	TLW 1. Conduct interviews as research for articles. 2. Research various topics on the internet as research for articles 3. Write news stories in AP style. 4. Write feature stories in AP style 5. Write editorials in AP style 6. Create AP style editorial cartoons.	1. Writing publishable news articles. 2. Writing publishable feature articles. 3. Writing publishable editorials 4. Creating publishable editorial cartoons. 5. Evaluation/Examination of various types of articles in local and state papers. 6. Test over concepts.	LA10.2.1a LA10.2.1c LA10.2.1e LA10.2.1f LA10.2.1h LA10.2.1i LA10.2.1j LA10.2.2a LA10.2.2c LA10.2.2d LA10.4.1a LA10.4.1b	
Vocabulary Development	TLW 1. Develop a larger vocabulary.	1. Using selected vocabulary in published written work. 2. Use vocabulary on exams.	LA10.1.5b	
Word Choice Development	TLW 1. Identify and correctly use commonly confused words.	1. Correctly use commonly confused wordw in published written work. 2. Show understanding of commonly confused words on exams.	LA10.1.5.d	

Photojournalism	TLW 1. Understand and demonstrate the basic workings of an SLR digital camera. 2. Understand the basics of acceptable photo composition for publication purposes. 3. Take sports actions photos. 4. Take candid classroom/daily life photos. 5. Take formal group photos. 6. Write "cut lines" for published photos.	1. Produce usable photos for publication. 2. Cut lines in the school's newspaper and yearbook publications.	Art Standards	
Print Layout for Publications			Art Standards	
Fund Raising & Sales	TLW 1. Sell yearbooks and write receipts for sales. 2. Produce mailings to elicit advertisement renewals and to solicit new advertisers. 3. Go out on to sell advertisements in person to the community businesses.	There will be $11,000 raised throughout the course of the year to pay for our publications.	LA 12.3.1a-f	

Aquinas Catholic High School: [English III]

Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
Early American and Puritan	TLW: – Read analyze and discuss historical piece, both fiction and non- fiction and poetry	Reading quizzes Presentations Tests Discussions	Print: 12.1.1 Phonological: 12.1.2 Word Analysis: 12.1.3 Fluency: 12.1.4 Comprehension: 12.1.6a-m Speaking: 12.3.1 a,b,d,-f Listening: 12.3.2.1 a,c	Same as State Church Concepts/Attitude Skills I a-g II a-h
Research Paper (MLA) Shorter Essays (analytic argumentative, descriptive, poetic, persuasive and reflective, informative)	TLW: -apply concepts of print and use word analysis to create each paper -demonstrate fluency in sentence structure and information organization -comprehend the research and organize for a final paper -demonstrate proper citation, grammar, spelling and 6 trait form	Final research paper-each being 5-7 pages Shorter 5 paragraph essays for tests.	Print: 12.1.1 Word Analysis 12.1.3 Fluency: 12.1.4 Comprehension: 12.1.6 f-o Information fluency: 12.4.1 a-b Writing Process: 12.2.1 a-j Writing Modes: 12.2.2.a,b	Same as State Church Concepts/Attitude Skills I a-g II a-h
Grammar	TLW: -apply grammatical rules to writing - identify common grammatical mistakes and use proofreading marks correctly	Weekly grammar activities grammar quizzes	Word Analysis: 12.1.3 Writing: 12.2.1.d	Same as State

Vocabulary	TLW: --build and use grade level vocabulary -verify meaning and pronunciation	Defining words Creating sentences Speaking sentence, incorporating them into everyday situation Testing	Phonological Awareness: 12.1.2 Word Analysis: 12.1.3 Vocabulary: 12.1.5 a-e Reciprocal Communication: 12.3.3 a,b Listening: 12.3.2 a-c Speaking: 12.3.1 a,b, d	Same as State
Age of Reason	TLW: -read and apply word analysis and vocabulary to comprehend text -discuss comprehension of text -demonstrate comprehension through discussion, group work, and writings -analyze effective speaking techniques and literary devices	Quizzes Essay writing Speech presentations Test	Concepts of Print: 12.1.1 Phonological Awareness: 12.1.2 Word Analysis: 12.1.3 Vocabulary: 12.1.5 a-e Fluency 12.1.4-a Comprehension: 12.1.6a,c,d,I,kn,o Writing: 12.2.1 a-j 　　　12.2.2 a-e Listening: 12.3.2 a-c Speaking: 12.3.1 a, d-f Informational Fluency 12.4.1 a-c	Same as State Church Concepts/Attitude Skills I a-g II a-h
Romanticism Period	TLW: -read and apply word analysis and vocabulary to comprehend text -discuss comprehension of text -demonstrate comprehension through discussion, group work, and writings	Quizzes Tests	Concepts of Print: 12.1.1 Phonological Awareness: 12.1.2 Word Analysis: 12.1.3 Fluency 12.1.4,a Comprehension:12.1.6 a-p Listening: 12.3.2 a, c Reciprocal Communication: 12.3.3a-e	Same as State Church Concepts/Attitude Skills I a-g II a-h
Transcendental Period	TLW: -read and apply word analysis and vocabulary to comprehend text -discuss comprehension of text -demonstrate comprehension through discussion, group work, and writings -demonstrate knowledge of concepts through writing of poetry	Quizzes Essay writing Tests Writing poems Presentations	Phonological Awareness: 12.1.2 Word Analysis: 12.1.3 Vocabulary: 12.1.5 a-e Fluency 12.1.4 Comprehension:12.1.6 a-p Writing: 12.2.1 a-j 　　　12.2.2 a-e Reciprocal Communication: 12.3.3 a-e Listening: 12.3.2 a-c Speaking: 12.3.1 a, d-f Informational Fluency 12.4.1 a-c	Same as State Church Concepts/Attitude Skills I a-g II a-h

War and Reconciliation	TLW: -read and apply word analysis and vocabulary to comprehend text -discuss comprehension of text -demonstrate comprehension through discussion, group work, and writings -display understanding of different genres of writing by writing in that format	Quizzes Essay writing Test Historical/creative Writing Presentations Novel	Phonological Awareness: 12.1.2 Word Analysis: 12.1.3 Vocabulary: 12.1.5 a-e Fluency 12.1.4 Comprehension:12.1.6 a-p Writing: 12.2.1 a-j 12.2.2 a-e Reciprocal Communication: 12.3.3 a-e Listening: 12.3.2 a-c Speaking: 12.3.1 a, d-f Informational Fluency 12.4.1 a-c	Same as State Church Concepts/Attitude Skills I a-g II a-h
Realism and Frontier	TLW: -read and apply word analysis and vocabulary to comprehend text -discuss comprehension of text -demonstrate comprehension through discussion, group work, and writings -demonstrate literary techniques by writing a character sketch	Quizzes Essay writing Character Sketch Presentations Test	Phonological Awareness: 12.1.2 Word Analysis: 12.1.3 Vocabulary: 12.1.5 a-e Fluency 12.1.4 Comprehension:12.1.6 a-p Writing: 12.2.1 a-j 12.2.2 a-e Reciprocal Communication: 12.3.3 a-e Listening: 12.3.2 a-c Speaking: 12.3.1 a, d-f Informational Fluency 12.4.1 a-c	Same as State Church Concepts/Attitude Skills I a-g II a-h
Modernism	TLW: -read and apply word analysis and vocabulary to comprehend text -discuss comprehension of text -demonstrate comprehension through discussion, group work, and writings	Quizzes Essay writing Novel Tests	Phonological Awareness: 12.1.2 Word Analysis: 12.1.3 Vocabulary: 12.1.5 a-e Fluency 12.1.4 Comprehension:12.1.6 a-p Writing: 12.2.1 a-j 12.2.2 a-e Reciprocal Communication: 12.3.3 a-e Listening: 12.3.2 a-c Speaking: 12.3.1 a, d-f Informational Fluency 12.4.1 a-c	Same as State Church Concepts/Attitude Skills I a-g II a-h

Independent Reading	TLW: -select and read books at the appropriate grade level -demonstrate comprehension of reading	Written Response AR Test	Print: 12.1.1 Word Analysis: 12.1.3 Fluency: 12.1.4 Vocabulary: 12.1.5 Comprehension: 12.1.6 Writing: 12.2.1;12.2.2 Information Fluency: 12.4.1	

Aquinas Catholic High School: High School Physical Education Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
Introduction into weight lifting activities for the current school year. We lift on full weeks on Mondays and Thursdays.	The student will be able to perform physical exercises taught by the instructor. The student will demonstrate the ability to understand what muscles will be effected during each lifting activity. The student will demonstrate the ability to lift weights correctly and have proper form and safety on each lift.	Lifting form Participation Understanding of muscle movements and benefits	1. Demonstrates competency in motor skills and movement patterns needed to perform a variety of physical activities. 2. Demonstrates understanding of movement concepts, principles, strategies, and tactics as they apply to the learning and performance of physical activities. 3. Participates regularly in physical activity. 4. Achieves and maintains a health-enhancing level of physical fitness. 5. Exhibits responsible personal and social behavior that respects self and others in physical activity settings. 6. Values physical activity for health enjoyment challenge, self-	

			expression and/or social interaction.	
Maximum output days (twice a semester).	The student will demonstrate the ability to max out (perform best at their highest weight) on three lifts. Those lifts are bench press, squat, and hang cleans. The student will demonstrate the ability to set goals and try and achieve set goals in a controlled manner.	Participation Numbers hit while maxing out	1. Demonstrates competency in motor skills and movement patterns needed to perform a variety of physical activities. 2. Demonstrates understanding of movement concepts, principles, strategies, and tactics as they apply to the learning and performance of physical activities. 3. Participates regularly in physical activity. 4. Achieves and maintains a health-enhancing level of physical fitness. 5. Exhibits responsible personal and social behavior that respects self and others in physical activity settings. 6. Values physical activity for health enjoyment challenge, self-expression and/or social interaction	

Game Days (done on Tuesday's, Wednesday's, and Friday's).	The student will demonstrate the ability to perform motor skills and physical movement. The student will demonstrate the ability to understand athletic concepts, strategies, and tactics. The student will demonstrate the ability to work in a team setting. The student will demonstrate the ability to perform and enjoy a variety of physical activity during school and the rest of their life.	Participation Teamwork skills	1. Demonstrates competency in motor skills and movement patterns needed to perform a variety of physical activities. 2. Demonstrates understanding of movement concepts, principles, strategies, and tactics as they apply to the learning and performance of physical activities. 3. Participates regularly in physical activity. 4. Achieves and maintains a health-enhancing level of physical fitness. 5. Exhibits responsible personal and social behavior that respects self and others in physical activity settings. 6. Values physical activity for health enjoyment challenge, self-expression and/or social interaction	
Archery	The student will demonstrate the proper and safe way to use a bow and arrow. The student will demonstrate the understanding of strategies, concepts, and movements in sport.	Participation Tournament at the end	1. Demonstrates competency in motor skills and movement patterns needed to perform a variety of physical activities. 2. Demonstrates understanding of movement concepts, principles, strategies, and tactics as they apply to the learning and performance of physical activities. 3. Participates regularly in physical activity. 4. Achieves and maintains a health-enhancing level of physical fitness. 5. Exhibits responsible personal and	

			social behavior that respects self and others in physical activity settings. 6. Values physical activity for health enjoyment challenge, self-expression and/or social interaction	
Fishing	5. Exhibits responsible personal and social behavior that respects self and others in physical activity settings. 6. Values physical activity for health enjoyment challenge, self-expression and/or social interaction	Participation	1. Demonstrates competency in motor skills and movement patterns needed to perform a variety of physical activities. 2. Demonstrates understanding of movement concepts, principles, strategies, and tactics as they apply to the learning and performance of physical activities. 3. Participates regularly in physical activity. 4. Achieves and maintains a health-enhancing level of physical fitness. 5. Exhibits responsible personal and social behavior that respects self and others in physical activity settings. 6. Values physical activity for health enjoyment challenge, self-expression and/or social interaction	

Aquinas Catholic High School: Physical Science

Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
Nature of Science	TLW: -Describe the difference between scientific law and theory -Outline the stems to scientific method -Analyze a problem using scientific method -Identify the independent and dependent variable -Calculate density -Measure, convert, and calculate using SI measurements -Identify types of graphs and when to best use each type -Analyze data using graphs -Explain where the dependent and independent variable should be located on a graph	Quiz, Lab Report, Test	12.1.1 12.1.2 12.1.3	Same
Motion	TLW: -Define displacement and distance -Calculate speed, acceleration and momentum -Differentiate between speed and velocity	Quiz, Lab Report, Test	12.2.2.a	12.3.4
Newton's Laws and Forces	TLW: -Understand the relationship between force and motion -Calculate the net force on an object -Describe different types of friction -Solve problems related to force and acceleration -Interpret Newton's Laws of Motion	Quiz, Lab Report, Test	12.2.2.b-e	12.3.4

	-Apply Newton's laws to concepts of momentum, free fall, and centripetal force			
Work and Energy	TLW: -Define work and calculate work done -Describe mechanical advantage -Differentiate between kinetic and potential energy -Calculate kinetic energy, and gravitational potential energy -Define the law of conservation of energy -Explain why mechanical energy is always conserved	Quiz, Lab Report, Test	12.2.3	12.3.5
Electricity	TLW: -Compare conductors and insulators -Understand how objects become charged -Describe how current is produced by voltage -Relate current, voltage, and resistance using Ohm's Law -Compare series and parallel circuits -Calculate electrical power -Explain how a breaker works	Quiz, Lab Report, Test		12.3.6.D
Waves	TLW: -Describe how waves transfer energy -Differentiate between a transverse and longitudinal wave -Describe the relationship between wavelength and frequency -Calculate period and speed for a wave -Define reflection, refraction, and diffraction	Quiz, Lab Report, Test	12.2.3.a 12.2.3.b	12.3.6.A

Light	TLW: -Understand electromagnetic radiation -Compare transparent, translucent, and opaque -Describe regular and diffuse reflection -Describe how we see colors -Explain how optic fibers work	Quiz, Lab Report, Test		
Mirrors and Lenses	TLW: -Identify a real and virtual image and how they are created -Describe a convex, concave, and plane mirror -Explain how convex and concave lenses bend light	Quiz, Lab Report, Test		
Solid, Liquid, Gas	TLW: -Define the kinetic-theory of matter -Describe how particles behave in different states of matter and at change of state -Define Archimedes's, Pascal's, and Bernoulli's Principles -Define pressure	Quiz, Lab Report, Test	12.2.1.b 12.2.1.c	12.3.1
Classification of Matter	TLW: -Differentiate between mixtures and substances -Identify a compound and an element -Define suspension, colloid, and solution -Define law of conservation of mass -Define physical and chemical properties and changes -Give examples of physical and chemical changes	Quiz, Lab Report, Test		12.3.1

Periodic Table	TLW: -Identify chemical symbols -Explain the structure of the atom -Explain the electron cloud model of the atom -Determine the atomic mass and mass number of an atom -Define isotope -Compare metals, nonmetals, and metalloids -Define periodic trend	Quiz, Lab Report, Test	12.2.1.f 12.2.1.h	12.3.6.E
Elements	TLW -Give specific properties of metals and nonmetals -Define allotrope, semiconductor, and synthetic element	Quiz, Lab Report, Test	12.2.1.g	12.3.1
Bonds	TLW: -Interpret and write chemical formula -Explain why things bond -Define ionic, non-polar covalent, and polar covalent bonding -Name some common ionic and covalent compounds	Quiz, Lab Report, Test	12.2.1.a	
Chemical Reactions	TLW: -Define reactant and product -Balance chemical equations -Describe the five types of reactions -Define exothermic and endothermic -Describe conservation of mass and energy in a reaction -Define Le Chatelier's Principle, equilibrium and catalyst -Examine reaction rates	Quiz, Lab Report, Test	12.2.1.d 12.2.1.e	12.3.3

Solutions	TLW: -Explain how substances dissolve and factors affecting solvation -Define solute and solvent -Explain solubility and identify a solution as saturated, unsaturated, or supersaturated -Describe change in solubility of gases and solids with temperature -Define concentration -Explain why solutions conduct electricity	Quiz, Lab Report, Test		
Acids and Bases	TLW: -Define acid and base -Explain how acids and bases ionize -Explain what makes an acid or base strong or weak -Define salt	Quiz, Lab Report, Test		

Aquinas Catholic High School: Physics

Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
Intro to Physics	TLW: -Define physics -Outline scientific method -Understand the importance of collaboration -Describe the importance of science in the real world	Quiz	12.1.1	
Physics Toolkit	-Measure, convert & calculate using English & metric measurements -Calculate problems using significant figures & scientific notation -Describe the importance of science in the real world	Quiz, Lab Report, Test		
Linear Motion	-Describe motion & understand relation -Distinguish b/w vector and scalar -Find distance & displacement -Calculate speed/velocity -Define Acceleration -Use kinematic acceleration equations to find acceleration,discance,velocity and energy -Interpret & create p-t, v-t & a-t graphs	Quiz, Lab Report, rubric, Test	12.2.2.a	12.3.4

2-D Motion	TLW: -Add vectors graphically & algebraically -Add two vectors by components -Solve horizontal/angle projectile problems -Understand how projectile motion works -Use vector analysis to solve 2-D relation velocities	Quiz, Lab Report, rubric, Test	12.2.2.a	12.3.4
Forces	TLW: -Define force -Recall 4 universal forces -Describe Newton's Laws of Motion -Applying Newton's Laws to solve force problems -Describe friction -Analyze & calculate3 problems of friction and incline using Newton's Law and vector analysis	Quiz, Lab Report, rubric, Test	12.2.2.b 12.2.2.c 12.2.2.d 12.2.2.e	12.3.4
Linear Momentum	TLW: -Define momentum and impulse -Calculate momentum & impulse -Recall and apply Law of Conservation of momentum & Law of Conservation of Energy -Distinguish b/w elastic & melcotic collision -Solve collision problems	Quiz, Lab Report, rubric, Test	12.2.3.i	
Work, Power, Simple Machines	TLW: -Identify the force that does work -Calculate wo0rk -Differentiate work & power -Calculate power used -Identify simple machines -Understand mechanical advantages & calculate problems using them	Quiz, Lab Report, Test	12.2.2.c	

Energy	TLW: -Differ between KE & PE -Solve problem involving energy -Recall Law of conservation of energy -Solve problems of energy conservation -Different temps & thermal energy -Calculate heat using specific heat of sub** -State laws of thermodynamics	Quiz, Lab Report, Test	12.2.3.i 12.2.3.j	12.3.5
Waves & Energy Transfer	TLW: -Distance b/w longitudinal & transverse & identify parts -Define amplitude, wavelength, period & frequency -Solve problems involving relationship of frequency & wavelength -Understand what occurs when waves cross boundaries -Solve problems of waves at boundaries -State principles of superpositions & how it results in constructive & destruction interference -State law of reflection -Understand speed depends on medium -Define diffraction -Describe refraction	Quiz, Lab Report, Test	12.2.3.a 12.2.3.b	12.3.6.A
Sound	TLW: -Demonstrate knowledge of the nature of sound waves -Relate properties of sound waves to pitch & loudness -Describe the Doppler effect -Describe the function of the ear in perception of sound -Differentiate b/w noise & music	Quiz, Lab Report, rubric, Test		

Light	TLW: -Describe EM radiation -Define luminous intensity, luminous flux & illuminant & solve problems for each -Understand the nature of color -Describe polarization of light -State the law of reflection & Snell's Law -Solve problems of reflection and refraction -Explain effects caused by refraction where medium changes -Describe total internal reflection	Quiz, Lab Report, Test	12.2.3.c	
Static Electricity	TLW:	Quiz, Lab Report, Test		
Current Electricty	TLW: -	Quiz, Lab Report, rubric, Test		

Magnetism	TLW:	Quiz, Lab Report, Test	12.2.3.f 12.2.3.g	12.3.6.B

Rotational Motion	TLW	Quiz, Lab Report, Test	12.2.2.f	

Aquinas Catholic High School: [PreAlgebra]

Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
Numeric relationships: students will demonstrate, represent and show relationships among real numbers	Objectives 1-39 Graphing, comparing, adding, subtracting, multiplying, dividing integers Prime and composite numbers, greatest common factor, least common multiple. Sequences Work with integers, decimals, fractions, whole numbers	Notes given daily Questions answered Homework given daily Work on board/white boards Quizzes tests	8.1.1a 8.1.1d 8.1.2c	Same as state
Algebraic relationships: students will show relationships algebraic expressions	Objectives 40-49 Writing algebraic expressions, word phrases Evaluating algebraic expressions Identifying terms	Notes given daily Questions answered Homework given daily Work on board/white boards Quizzes tests	8.2.1	Same as state
Algebraic processes: students will apply operational properties and evaluate and solve equations and inequalities	Objectives 50-63 Verify solutions Solve 1, 2 and multi step equations Solve equations with no solution or one solution Word problems	Notes given daily Questions answered Homework given daily Work on board/white boards Quizzes tests	8.1.2e 8.2.1ac 8.2.2a 8.2.3c	Same as state
Algebraic processes: students will create algebraic graphs, and verify solutions	Objectives 64-70 Graphing on a coordinate plane Finding slope from graphs and equations	Notes given daily Questions answered Homework given daily Work on board/white boards Quizzes tests	8.2.1bd 8.2.3ab 8.4.2a	Same as state

Algebraic processes: students will translate, solve, write and graph inequalities on number lines and coordinate planes	Objectives: 71-80 Translating, solving, writing and graphing inequalities on number lines and coordinate plane	Notes given daily Questions answered Homework given daily Work on board/white boards Quizzes tests	8.2.1a 8.2.2ab 8.2.3bc	Same as state
Algebraic processes: students will work with integers, exponents and computations with exponents	Objectives: 81-86 Raise integers to powers, evaluate expressions with exponents and working with negative exponents	Notes given daily Questions answered Homework given daily Work on board/white boards Quizzes tests	8.1.2b	Same as state
Algebraic processes: students will work with scientific notation and computation associated with scientific notation	Objectives: 87-90 Writing, evaluating scientific notation, computation associated with scientific notation	Notes given daily Questions answered Homework given daily Work on board/white boards Quizzes tests	8.1.1b 8.1.2d	Same as state
Algebraic processes: students will work with square, cube and fourth roots, computation with roots and solve roots	Objectives: 91-97 Writing Square, cube and fourth roots. Computation with roots	Notes given daily Questions answered Homework given daily Work on board/white boards Quizzes tests	8.1.1c 8.1.2a	Same as state
Algebraic processes: students will work with ratios, proportions	Objectives: 98-101 Writing ratios and solving proportions, and word problems	Notes given daily Questions answered Homework given daily Work on board/white boards Quizzes tests	8.2.3bc	Same as state

Algebraic processes: students will work with decimals, fractions, percents Word problems associated with algebra and percents	Objectives: 102-112 Conversion of decimals, fractions, percents. Word problems with percents	Notes given daily Questions answered Homework given daily Work on board/white boards Quizzes tests	8.4.2 8.2.3bc	Same as state
Representations and analysis: students will find central tendencies and analyze and construct graphs to represent data.	Objectives: 113-123 Finding means, medians, ranges. Analyzing and drawing graphs, plots and make predictions	Notes given daily Questions answered Homework given daily Work on board/white boards Quizzes tests	8.4.1a 8.4.2a	Same as state
Probability: students will interpret and apply concepts of probability	Objectives: 130-134 Finding probability and odds of events	Notes given daily Questions answered Homework given daily Work on board/white boards Quizzes tests	8.4.3	Same as state
Geometry: students will communicate geometric concepts.	Objectives: 135-170 Relationships in geometry, measuring, drawing angles and polygons, similarity and congruence in polygons, convert customary and metric units Computing perimeter, circumference, area of polygons, volume and surface area of solid figures	Notes given daily Questions answered Homework given daily Work on board/white boards Quizzes tests	8.3.1ab 8.3.2abc 8.3.3d	Same as state
Measurement: students will perform and compare measurements and apply formulas	Objectives: 171-173 Explain, apply and compute using the Pythagorean theoream	Notes given daily Questions answered Homework given daily Work on board/white boards Quizzes tests	8.3.3abc	Same as state

Algebraic processes: students will apply the operational properties when evaluating polynomials	Objectives: 178-188 Classify, list, order, add, subtract, multiply and divide polynomials	Notes given daily Questions answered Homework given daily Work on board/white boards Quizzes tests	11.2.2	Same as state

Aquinas Catholic High School: Pre-Calculus

Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
Section 4.1.1 Radian and Degree Measure	TSW understand the terms initial side, terminal side, positive, and negative with respect to angles. TSW understand what a radian measure is.	Homework: Fill in the angle measures of the unit circle in radians and degrees Quiz/Test	**MA 11.2.2a** **MA 12.2.1f** **MA 12.2.1g**	same
Section 4.1.2 Radian and Degree Measure	TSW be able to determine the location of an angle in radians, and sketch the angle. TSW be able to convert between radians and degrees.	Homework: Pg. 255; Vocab 1-3, 5, 8; Ex: 5, 6, 9-11, 45-51odd, 99, 101, 104 Quiz/Test	**MA 11.2.2a** **MA 12.2.1f** **MA 12.2.1g**	Same
Section 4.1.3 Radian and Degree Measure	TSW be able to find coterminal angles. TSW be able to find complementary and supplementary angles.	Homework: Pg. 255; Vocab: 4, 6, 7; Ex: 13, 15, 17, 18, 19, 35, 39, 100 Quiz/Test	**MA 11.2.2a** **MA 12.2.1f** **MA 12.2.1g**	Same
Section 4.1.4 Radian and Degree Measure	TSW be able to convert between DMS and decimal degrees. TSW be able to use arc length to solve problems.	Homework: Pg. 257; Ex: 65-68, 71-74, 81, 83, 85-92 Quiz/Test	**MA 11.2.2a** **MA 12.2.1f** **MA 12.2.1g**	Same

Section 4.1.5 Radian and Degree Measure	TSW be able to use Linear and angular speed formulas to solve problems. Quiz/Test	Homework: Pg. 255; Vocab: 9, 10; Ex: 96-98	**MA 11.2.2a** **MA 12.2.1f** **MA 12.2.1g**	Same
Unit Circle	TSW fill in all blanks on the unit circle as a class. TSW be able to relate coordinates of the unit circle to special right triangles. Quiz/Test	Homework: Finish Filling in circle(If necessary)		Same
Section 4.2 Trigonometric Functions: The Unit Circle	TSW be able evaluate the six trig functions of a given real number. TSW be able to use the period of trig functions to evaluate a function. Quiz/Test	Homework: Pg. 264; Vocab: 2; Ex: 5-35odd, 53, 54, 67, 68	**MA 12.2.1b** **MA 12.2.1c** **MA 12.2.2b**	Same
Section 4.3 Right Triangle Trigonometry	TSW be able to use triangles and the Pythagorean Theorem to evaluate the six trig functions of an unknown angle. Quiz/Test	Homework: Pg. 274; Vocab: 1; Ex: 1-5, 15-22, 43, 45, 59		Same
Section 4.4 Trigonometric Functions of Any Angle	TSW be able to identify the sign of the six trig functions based on in which quadrant the terminal side is located. TSW be able to evaluate the six trig function of an unknown angle when given a point that lies on the terminal side. TSW be able to determine the reference angle used. Quiz/Test	Homework: Pg. 284; Vocab: 1-7; Ex:4-6, 13-16, 17-25odd, 37-43odd		Same

Sections 4.5/4.6 Graphs of Sine and Cosine Functions/other Trigonometric Functions	TSW recognize the general path of the sine, cosine, and tangent graphs. TSW recognize how the amplitude, period, vertical and horizontal shift change the graphs of the sine, cosine, and tangent graphs.	Homework: None Quiz/Test		Same
Section 4.7 Inverse Trigonometric Functions	TSW be able to use the domain and range of the inverse trig functions properly to evaluate compositions of trig and inverse trig functions. TSW use the inverse trig functions to evaluate angles.	Homework: Pg. 316; Vocab: 1-3; Ex: 1-7, 27-45odd, 71 Quiz/Test	**MA 12.2.2c**	Same
Section 4.8 Applications and Models	TSW be able to apply the proper trig functions to solve for unknown sides or angles.	Homework: Pg. 326; Vocab: 1,2; Ex: 1-13odd, 20, 31, 35, 37 Quiz/Test	**MA 12.2.3b**	Same
Section 5.1 Using Fundamental Identities	TSW be able to use the fundamental trig identities to simplify and rewrite trig expressions.	Homework: Pg. 345; Vocab 1-6; Ex. 15-19, 27-33odd, 51, 55, 65-71odd Quiz/Test		Same
Section 5.2 Verifying Trigonometric Identities	TSW be able to verify the truthfulness of trig identities using the fundamental identities.	Homework: Pg. 353; Vocab 1-7, 9, 10; Ex. 3, 6, 21, 27, 32, 41, 43, 63 Quiz/Test		Same

Section 5.3 Solving Trigonometric Identities	TSW be able to solve trig equations in both basic algebra and quadratic forms. TSW be able to solve trig equations using multiple angles.	Homework: Pg. 364; Vocab 2,3; Ex. 7-23odd, 41, 79 Quiz/Test	**MA 12.2.2a**	Same
Section 5.4 Sum and Difference Formulas	TSW be able to use the sum and difference identities to evaluate trig functions, verify identities, and solve trig equations.	Homework: Pg. 372; Vocab 1-6; Ex. 3, 15, 19, 35-41odd, 49, 55 Quiz/Test		Same
Section 5.5 Multiple Angle Formulas	TSW be able to use the multiple-angle formulas to rewrite and evaluate trig functions. TSW be able to use the half angle formulas to rewrite and evaluate trig functions.	Homework: Pg. 382; Vocab 1,3-5, 8; Ex. 3, 5, 13, 17, 19, 23, 25, 33-37odd, 41, 49 Quiz/Test		Same
Section 6.1 Law of Sines	TSW be able to use the Law of Sines to find missing parts of oblique triangles in the form of AAS, SSA, and ASA. TSW be able to recognize the ambiguous cases of SSA when there is no possible triangle, one possible triangle, or 2 possible triangles that can be formed with the given information. TSW be able to find the area of triangles in the form of SAS.	Homework: Pg. 398; Vocab 1-3; Ex. 1, 3, 5, 15-25odd, 30, 42 Quiz/Test	**MA 12.3.1a**	Same
Section 6.2 Law of Cosines	TSW be able to use the Law of Cosines to find missing parts of oblique triangles in the form of SAS and SSS. TSW be able to find the area of a triangle in the form of SSS using Heron's Formula.	Homework: Pg. 405; Vocab 1; Ex. 1-5odd, 13, 15, 19, 20, 27, 29 Quiz/Test	**MA 12.3.1a**	Same

Section 1.1 Lines in a Plane	TSW be able to find the slopes of lines TSW be able to write the equation of a line in slope-intercept form. TSW be able to use slope to identify and write equations of parallel and perpendicular lines.	Homework: Pg. 11; Vocab 1-4; Ex 1, 2, 19ab, 25-31odd(write in slope-intercept form), 33, 35, 43, 53, 55, 56 Quiz/Test	**MA 11.2.1e** **MA 11.3.2b** **MA 11.3.2c**	Same
Section 1.2 Functions	TSW be able to determine if a relation is a function. TSW be able to use function notation to evaluate functions. TSW be able to find the domain of functions.	Homework: Pg. 24; Vocab 1-5; Ex 1-4, 13, 17, 21, 25, 33, 41, 47-61odd, 83, 93 Quiz/Test	**MA 11.2.1a** **MA 11.2.1b** **MA 11.2.1c** **MA 11.2.1d**	Same
Section 1.3 Part 1 Graphs of Functions	TSW be able to find the domain and range of functions and use the vertical line test. TSW be able to determine intervals of which functions are increasing, decreasing, and constant. TSW be able to determine relative minimums and maximums of functions.	Homework: Pg. 38; Vocab 1-4; Ex 1-19odd, 29-33odd, 89, 94 Quiz/Test	**MA 11.2.1d** **MA 12.2.1a**	Same
Section 1.3 Part 2 Graphs of Functions	TSW be able to identify and graph step functions and other piecewise functions. TSW be able to identify odd and even functions.	Homework: Pg. 39; Ex. 41-77odd Quiz/Test	**MA 11.2.1d** **MA 12.2.1a**	Same
Section 1.4 Shifting, Reflecting, and Sketching Graphs	TSW be able to identify common functions. TSW be able to write equations and graph transformations of common functions.	Homework: Pg. 48; Vocab 1-6; Ex 13(not e or g), 19-29odd, 33, 37, 39 Quiz/Test	**MA 11.3.2g** **MA 12.2.1d** **MA 12.3.2b**	Same

Section 1.5 Combination of Functions	TSW be able to add, subtract, multiply and divide functions. TSW be able to find the composition of functions, and state the domain.	Homework: Pg. 58; Vocab 1-4; Ex 3, 5, 13-19odd, 39a-43a odd(find the domain of both), 55-65odd Quiz/Test	**MA 11.2.2m**	Same
Section 1.6 Inverse Functions	TSW be able to find the inverse of a function. TSW be able to verify that two functions are inverses of each other. TSW be able to use the horizontal line test to determine if an inverse exists.	Homework: Pg. 69; Vocab 1-5; Ex 1-9odd(find inverses algebraically), 21-24, 29-39odd, 67 Also-Find inverse of $f(x) = \frac{2x-1}{2x+1}$ Quiz/Test	**MA 11.2.1h**	Same
Section 2.1 Quadratic Functions	TSW be able to find the vertex and x-intercepts of a Quadratic function. TSW be able to determine the standard form equation of a quadratic given the vertex and one other point.	Homework: Pg. 95; Vocab 1-5; Ex 1-7odd, 13, 17, 19, 39-41, 47 Quiz/Test	**MA 11.2.2n** **MA 12.3.2f**	Same
Section 2.2 Polynomial Functions of Higher Degree	TSW be able to sketch the graph of polynomial functions with a graphing calculator. TSW be able to identify the right handed and left handed behavior of a polynomial function. TSW be able to find the x-intercepts of a polynomial. TSW be able to find a polynomial equation given the x-intercepts.	Homework: Pg. 108; Vocab 1-5; Ex 1-8, 17-27odd, 33, 47, 49, 55, 59 Quiz/Test		Same
Section 2.3.1 Real Zeros of a Polynomial Function	TSW use long division and synthetic division of polynomials to find the real zeros of the polynomial.	Homework: Pg. 123; Vocab 1-6; Ex. 1-7odd, 13, 14, 19, 25, 35, 37, 39 Quiz/Test		Same

Section 2.3.2 Real Zeros of a Polynomial Function	TSW use the Rational Zeros test to help determine possible rational zeros. TSW be able to find all real zeros.	Homework: Pg. 123; Ex. 45-49, 52, 53, 83, 84 Quiz/Test			Same
Section 2.4 Complex Numbers	TSW be able to add, subtract, multiply and divide imaginary numbers and write their answers in standard form. TSW be able to identify the complex conjugate of any complex number.	Homework: Pg. 133; Vocab 1-3; Ex. 5-9odd, 17, 18, 25, 34, 37-47odd, 51, 53, 57, 59 Quiz/Test	**MA 11.2.2n**		Same
Section 2.5 The Fundamental Theorem of Algebra	TSW be able to find all the zeros of a polynomial function. TSW be able to write a polynomial function with real coefficients that has given zeros.	Homework: Pg. 140; Vocab 1, 2, 4; Ex. 1-7odd, 13, 21, 35, 39, 45 Quiz/Test	**MA 11.2.2n**		Same
Section 2.6 Rational Functions and Asymptotes	TSW be able to identify the domain, and vertical and horizontal asymptotes of a rational function.	Homework: Pg. 148; Vocab 1-3; Ex. 7-12, 13-19odd(Domain and Asymptotes only), 23, 31, 35 Quiz/Test			Same
Section 2.7 Graphs of Rational Functions	TSW be able to identify Slant asymptotes. TSW be able to graph rational functions, with the calculator as an aid.	Homework: Pg. 157; Vocab 1,2; Ex 9-13odd, 43, 45, 57 Quiz/Test			Same

Section 3.1 Exponential Functions and Their Graphs	TSW be able to evaluate exponential functions. TSW be able to use basic exponential formulas to solve problems.	Homework: Pg. 185; Vocab 1-5; Ex. 1-5odd, 25, 27, 41, 43, 57, 65, 67, 71, 76 Quiz/Test		same
Section 3.2 Logarithmic Functions and Their Graphs	TSW be able to rewrite between exponential and logarithmic form. TSW be able to solve basic logarithmic equations. TSW be able to identify Domain and Asymptotes of logarithmic functions.	Homework: Pg. 195; Vocab 1-5; Ex. 1-15odd, 21-29odd, 53-63odd Quiz/Test		Same
Section 3.3 Properties of Logarithms	TSW be able to use the product, quotient, and power properties of logarithms to rewrite expressions. TSW be able to use the change of base formula to evaluate logarithms.	Homework: Pg. 203; Vocab 1-4; Ex. 9-15odd, 29, 31, 41, 49-53odd, 57 Quiz/Test		Same
Section 3.4 Solving Exponential and Logarithmic Functions	TSW be able to solve exponential and logarithmic equations.	Homework: Pg. 213; Vocab 1-3; Ex. 11, 19, 25-35odd, 49, 53, 77, 79, 83, 87-89 Quiz/Test		same
Section 3.5 Exponential and Logarithmic Models	TSW be able to use methods of solving exponential and logarithmic equations to solve application problems.	Homework: Pg. 224; Vocab 1; Ex. 7-13odd, 19-22, 29, 31 Quiz/Test		Same

Section 7.1/7.2 Solving Systems of Equations/Systems of Linear Equations in Two Variables	TSW be able to write and solve systems of equations using elimination or substitution.	Homework: Pg. 459; Vocab 1-5; Ex 5, 11, 21, 27, 71(a and c only) Pg. 469; Vocab 1-3; Ex 7, 24, 45-51odd, 61, 65, 67 Quiz/Test		Same
Section 7.4 Matrices and Systems of Equations	TSW be able to use matrices to solve systems of equations.	Homework: Pg. 501; 47, 51, 55, 57, 59, 73 Quiz/Test		same
Section 7.5 Operations with Matrices	TSW be able to add and subtract matrices. TSW be able to multiply a matrix by a scalar. TSW be able to multiply two matrices together.	Homework: Pg. 514; Vocab 1-6; Ex 5, 7, 27, 29, 33 Quiz/Test	**MA 12.1.1c** **MA 12.1.1e** **MA 12.1.2a** **MA 12.1.2b**	Same
Section 8.1 Sequences and Series	TSW be able to recognize and continue the pattern of a sequence TSW be able to write an explicit rule for a sequence TSW be able to find the sum of finite series	Homework: Pg. 563; Ex: 1-9odd, 39-45odd, 57, 59, 75-81odd Quiz/Test		Same
Section 8.2 Arithmetic Sequences and Partial Sums	TSW be able to determine if a sequence is arithmetic and find the common difference. TSW be able to find the partial sum of an arithmetic series	Homework: Pg. 573; Vocab 1-3; Ex: 1, 5, 8, 9, 11, 17, 23, 53, 61, 63, 77, 79 Quiz/Test	**MA12.1.1f**	Same

Section 8.3 Geometric Sequences and Series	TSW be able to determine if a sequence is geometric and find the common ratio. TSW be able to find the partial sum and infinite sum of a geometric series.	Homework: Pg. 582; Vocab: 1-5; Ex: 1, 5, 11, 15, 33, 35, 45, 47, 59, 61, 63, 79 Quiz/Test	**MA 12.1.1f**	Same
Section 8.4 Mathematical Induction	TSW be able to prove by induction. TSW be able to use summation formulas to solve sums. TSW be able to determine if a sequence follows a linear or quadratic model TSW write a quadratic model of a sequence	Homework: Pg. 593; 7, 9, 11,19, 21, 37, 39, 41, 45 Quiz/Test		Same
Section 8.5 The Binomial Theorem	TSW be able to perform binomial expansion using Pascal's Triangle.	Homework: Pg. 599; 21-29odd(Expand using Pascal's Triangle) Quiz/Test		Same
Section 8.6 Counting Principles	TSW be able to use the counting principle, combinations, and permutations to determine the total number of possible outcomes.	Homework: Pg. 609; 7-9, 11-13, 15, 17, 40, 41, 43, , 49, 50, 56, 61 Quiz/Test	**MA 11.4.3b**	Same
Section 8.7 Probability	TSW be able to determine the probability of a particular outcome.	Homework: Pg. 620; 7, 9, 11, 19, 32, 33, 39, 52, 53 Quiz/Test	**MA 11.4.3b** **MA 11.4.3c**	Same

Section 9.2 Ellipses	TSW be able to graph the equation of an ellipse. TSW be able to write the equation of an ellipse in standard form.	Homework: Pg. 646; Vocab: 1; Ex: 1-6, [7, 8, 13a-c, 14a-c, 15a-c](not finding eccentricity) 27, 37 Quiz/Test	**MA 12.3.2f**	Same
Section 9.3 Hyperbolas	TSW be able to graph the equation of a hyperbola. TSW be able to write the equation of a hyperbola in standard form.	Homework: Pg. 656; Vocab 1, 2, 4; Ex: 1-5, 7, 15a-c, 17a-c, 19a-c(do not need to label asymptotes) Quiz/Test	**MA 12.3.2f**	Same
Section 11.1 Introduction to Limits	TSW be able to determine limits with charts, graphs, and direct substitution.	Homework: Pg. 750; 3, 5, 15, 23-43odd Quiz/Test	**MA 12.2.1e**	Same
Section 11.2 Techniques for Evaluating Limits	TSW be able to determine limits analytically	Homework: Pg. 760; 1-17odd Quiz/Test		Same
Section 11.3 The Tangent Line Problem	TSW be able to evaluate the slope of tangent lines.	Homework: Pg. 770; 5-15odd Quiz/Test		Same

Section 11.4 Limits at Infinity and Limits of Sequences	TSW be able to evaluate limits at infinity. Quiz/Test	Pg. 779; 1-4, 5-15odd		Same
Section 11.5.1 The Area Problem	TSW be able to evaluate sums using the summation formulas and properties. Quiz/Test	Homework: Pg. 788; 1-6		Same
Section 11.5.2 The Area Problem	TSW be able to approximate the area under a curve. Quiz/Test	Homework: Pg. 788; 15, 16, 19		Same
Section 11.5.3 The Area Problem	TSW be able to use limits to evaluate the area under a curve. Quiz/Test	Homework: Pg. 789; 23-29odd		Same

Aquinas Catholic High School: [Reading I-IV]

Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
Mastery Reading (Reading I-IV)	TLW: -select and read various books at reading level	AR Test Oral Presentation *Bk pts are vary per quarter by reading class	-Word Analysis 12.1.3 Fluency: 12.1.4 -Vocabulary 12.1.5 Comprehension 12.1.6 -Speaking 12.3.1	Same as State
Mastery Vocabulary (Reading I)	TLW: -demonstrate understanding of unit vocabulary -apply comprehension of vocabulary	Unit Vocabulary Exercises Unit Vocabulary writings Unit vocabulary quizzes	Word Analysis 12.1.3 Fluency: 12.1.4 -Vocabulary 12.1.5 Comprehension 12.1.6 -Writing: 12.2.1 a-j -Speaking 12.3.1	Same as State
Exploration Writing (Reading II-IV)	TLW: -research exploration questions of various point values and demonstrate knowledge in written format	Exploration Writings Reading II (5-15 pts) Reading III (30 Pts) Reading IV (50 pts)	Word Analysis 12.1.3 Fluency: 12.1.4 -Vocabulary 12.1.5 Comprehension 12.1.6 -Writing: 12.2.1 a-j	Same as State

Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
How to read the bible (Ch 30)	TLW understand the literary aspects of the Bible TLW Understand how to interpret scripture	Quiz and Test		I.D.1-3
What is the Bible (Ch 1)	TLW -understand the definition, source, components and purpose of Divine Revelation -understand the development of the canon - comprehend the meaning and application of Divine inspiration -use biblical notation	Quiz, Worksheet, Test		I.A. 1-4 I.B.1-3 I. C.1-3 I.E-14
Old Testament (Ch 2)	TLW -Know the geographical layout of the Old Testament world -Identify the categories of the OT books of the bible.	Map, quiz, test		
Creation (Ch 3)	TLW -understand Gods role in creation -understand the origin of the fall and its consequence	Quizzes Tests		II. A1-5 II. B. 1-5

The Early World (Ch4)	TLW -continue to see the effects of original sin as it plays out in the flood and the tower of babel			

Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
Social Justice in Scripture	Old Testament Creation The Fall The Exodus The Mosaic Law The Prophets	Workbook and Test		2.a.i-vi
The New Testament	Jesus establishes the Kingdom Justice in the Kingdom The teaching and ex. of Jesus Sermon on the Mount Good Samaritan Lazarus Last Judgment Washing of the feet Doctrine of the Cross	Workbook and Test		2.b. i-ii
Old Testament	Acts of the Apostles St. Paul St. James St. John	Workbook and Test		2.c.i-iv
An Historical Overview	The Early Church The monastic ideal St. Augustine's City of God St. Lawrence	Workbook and Test		3.a.i-iii

| The Middle Ages | St. Thomas Aquinas: possession and use of material goods.

Nationalism and its consequences

St. Francis of Assisi, patron of Catholic Action | Workbook and Test | | 3.b.i-iii |
|---|---|---|---|---|
| The Age of Reason | Colonization
Industrial Revolution
St. Francis Xavier, patron of missions | Workbook and Test | | 3.c.i-iii |
| The Modern Era | Pope Leo XIII
Rerum Novarum

Pope John XXIII
Mater et Magister
Pacem in Terris

Vatican II
Gaudium et Sps | Workbook and Test | | 3.d.i-vi
4 |
| Current Social Justice
DoCat – Full text | God's Master Plan: Love | Workbook and Test | | 5.a-j |

Current Social Justice DoCat – Full text	Together We are Strong: The Church's Social Mission	Workbook and Test		6
Current Social Justice DoCat – Full text	Unique and Infinitely Valuable: The Human Person	Workbook and Test		6
Current Social Justice DoCat – Full text	The Common Good, Personhood, Solidarity, Subsidiarity: The Principles of the Church's Social Teaching	Workbook and Test		6
Current Social Justice DoCat – Full text	The Foundation of the Society: The Family	Workbook and Test		6
Current Social Justice DoCat – Full text	Occupation and Vocation: Human Work	Workbook and Test		6

Current Social Justice DoCat – Full text	Welfare and Justice for All: Economic Life	Workbook and Test		6
Current Social Justice DoCat – Full text	Power and Morality: The Political Community	Workbook and Test		6
Current Social Justice DoCat – Full text	One World, One Humanity: The International Community	Workbook and Test		6
Current Social Justice DoCat – Full text	Safeguarding Creation: The Environment	Workbook and Test		6
Current Social Justice DoCat – Full text	Living in Freedom from Violence: Peace	Workbook and Test		6

Current Social Justice DoCat – Full text	Personal & Societal Commitment: Love in Action	Workbook and Test		6

Aquinas Catholic High School: [English IV]

Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
Tuesdays with Morrie	TLW: -read, analyze and discuss novel -apply lessons of elderly limitations to Villa/Court visits	Reading quizzes Essay writing Villa/Court visits/writings	Comprehension: 12.1.6 a,b,d Writing: 12.2.1a-i 　　　 12.2.2a,d-i Reciprocal Communication: 12.1.6 i-k Listening: 12.3.7a-b Speaking: 12.3.1a,d,e Informational Fluency: 12.2.1j; 12.2.2a,d,e; 12.1.6 l, m; 12.3.3a-e	Same as State
Research Papers (APA and Chicago Style)	TLW: -apply concepts of print and use word analysis to create each paper -demonstrate fluency in sentence structure and information organization -comprehend the research and organize for a final paper -demonstrate proper citation, grammar, spelling and 6 trait form	Final research papers-each being 5-7 pages	Print: 12.1.1 Word Analysis 12.1.3 Fluency: 12.1.4 Comprehension: 12.1.6 f-o Information fluency: 12.4.1 a-b	Same as State
Vocabulary/Grammar	TLW: -build and use grade level vocabulary -apply analysis strategies -verify meaning and pronunciation -apply grammatical rules to writing	Weekly paragraph writings Unit vocabulary/grammar quizzes	Word Analysis: 12.1.3 Vocabulary: 12.1.5 a-e Writing: 12.2.2 d	Same as State

Anglo-Saxon Period	TLW: -read and apply word analysis and vocabulary to comprehend text -discuss comprehension of text -demonstrate comprehension through discussion, group work, and writings	Quizzes Essay writing	Phonological Awareness: 12.1.2 Word Analysis: 12.1.3 Vocabulary: 12.1.5 a-e Fluency 12.1.4 Writing: 12.1.6 a-p 12.2.2 a-e Reciprocal Communication: 12.3.3 c, e Listening: 12.3.2 a-c Speaking: 12.3.1 a, d-f Informational Fluency 12.4.1 a-c	Same as State Church Concepts/Attitude Skills I a-g II a-h
Medieval Period	TLW: -read and apply word analysis and vocabulary to comprehend text -discuss comprehension of text -demonstrate comprehension through discussion, group work, and writings	Quizzes Essay writing Character presentations	Phonological Awareness: 12.1.2 Word Analysis: 12.1.3 Vocabulary: 12.1.5 a-e Fluency 12.1.4 Writing: 12.1.6 a-p 12.2.2 a-e Reciprocal Communication: 12.3.3 c, e Listening: 12.3.2 a-c Speaking: 12.3.1 a, d-f Informational Fluency 12.4.1 a-c	Same as State Church Concepts/Attitude Skills I a-g II a-h
Elizabethan Period	TLW: -read and apply word analysis and vocabulary to comprehend text -discuss comprehension of text -demonstrate comprehension through discussion, group work, and writings -view and apply comprehension of Shakespearean plays to text	Quizzes Essay writing	Phonological Awareness: 12.1.2 Word Analysis: 12.1.3 Vocabulary: 12.1.5 a-e Fluency 12.1.4 Writing: 12.1.6 a-p 12.2.2 a-e Reciprocal Communication: 12.3.3 c, e Listening: 12.3.2 a-c Speaking: 12.3.1 a, d-f Informational Fluency 12.4.1 a-c	Same as State Church Concepts/Attitude Skills I a-g II a-h

17th-18th Century	TLW: -read and apply word analysis and vocabulary to comprehend text -discuss comprehension of text -demonstrate comprehension through discussion, group work, and writings -research and present an author from the period	Quizzes Essay writing Author Presentations	Phonological Awareness: 12.1.2 Word Analysis: 12.1.3 Vocabulary: 12.1.5 a-e Fluency 12.1.4 Writing/comprehension: 12.1.6 a-p 12.2.2 a-e Reciprocal Communication: 12.3.3 c, e Listening: 12.3.2 a-c Speaking: 12.3.1 a-f Informational Fluency 12.4.1 a-c Digital Citizenship: 12.4.2 a-b	Same as State Church Concepts/Attitude Skills I a-g II a-h
Romantic Period	TLW: -read and apply word analysis and vocabulary to comprehend text -discuss comprehension of text -demonstrate comprehension through discussion, group work, and writings -research and present an author from the period	Quizzes Essay writing Author Presentations	Phonological Awareness: 12.1.2 Word Analysis: 12.1.3 Vocabulary: 12.1.5 a-e Fluency 12.1.4 Writing/comprehension 12.1.6 a-p 12.2.2 a-e Reciprocal Communication: 12.3.3 c, e Listening: 12.3.2 a-c Speaking: 12.3.1 a-f Informational Fluency 12.4.1 a-c Digital Citizenship: 12.4.2 a-b	Same as State Church Concepts/Attitude Skills I a-g II a-h
Victorian Period	TLW: -read and apply word analysis and vocabulary to comprehend text -discuss comprehension of text -demonstrate comprehension through discussion, group work, and writings -research and present an author from the period	Quizzes Essay writing Author Presentations	Phonological Awareness: 12.1.2 Word Analysis: 12.1.3 Vocabulary: 12.1.5 a-e Fluency 12.1.4 Writing/comprehension 12.1.6 a-p 12.2.2 a-e Reciprocal Communication: 12.3.3 c, e Listening: 12.3.2 a-c Speaking: 12.3.1 a-f Informational Fluency 12.4.1 a-c	Same as State Church Concepts/Attitude Skills I a-g II a-h

			Digital Citizenship: 12.4.2 a-b	

20th Century	TLW:
	-read and apply word analysis and vocabulary to comprehend text
	-discuss comprehension of text
	-demonstrate comprehension through discussion, group work, and writings
	-research and present an author from the period
		Quizzes
		Essay writing
		Author Presentations
			Phonological Awareness:
			12.1.2
			Word Analysis: 12.1.3
			Vocabulary: 12.1.5 a-e
			Fluency 12.1.4
			Writing/comprehension 12.1.6 a-p
			    12.2.2 a-e
			Reciprocal Communication:
			    12.3.3 c, e
			Listening: 12.3.2 a-c
			Speaking: 12.3.1 a-f
			Informational Fluency 12.4.1 a-c
			Digital Citizenship:
			    12.4.2 a-b
				Same as State
				Church Concepts/Attitude
				Skills I a-g
				II a-h

Book Shares	TLW: -introduce, read and express an interest to the class from a section of a favorite book	Presentation	Phonological Awareness: 12.1.2 Word Analysis: 12.1.3 Vocabulary: 12.1.5 a-e Reciprocal Communication: 12.3.3 c, e Listening: 12.3.2 a-c Speaking: 12.3.1 a-f 12.1.5 a-e	Same as State

Writings	TLW:
	-write in multiple modes for a variety of purposes
	-demonstrate an understanding of 6 traits and apply them to proofreading others work
		Essays
		Paragraphs
		Research Papers
		Villa/Court Stories
		Family Stories
		Journal Writings
			Phonological Awareness:
			12.1.2
			Word Analysis: 12.1.3
			Vocabulary: 12.1.5 a-e
			Reciprocal Communication:
			    12.3.3 c, e
			Comprehension: 12.1.6 f-o
			Information fluency:
			    12.4.1 a-b	

Independent Reading	TLW: -select and read books at the appropriate grade level -demonstrate comprehension of reading	Written Response AR Test	Print: 12.1.1 Word Analysis: 12.1.3 Fluency: 12.1.4 Vocabulary: 12.1.5 Comprehension: 12.1.6 Writing: 12.2.1;12.2.2 Information Fluency: 12.4.1	

Aquinas Catholic High School: [English II]

Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
Julius Caesar	TLW: - read, analyze and discuss play -read and apply word analysis and vocabulary to comprehend text -discuss comprehension of text -demonstrate comprehension through discussion, group work, and writings	Quizzes Essay writing	Word Analysis: 10.1.3 Fluency: 10.1.4 Vocabulary: 10.1.5 a-e Comprehension: 10.1.6 a-p Speaking: 10.3.1 a-f Listening: 10.3.2 a-c Reciprocal Communication: 10.3.3 a-e Information Fluency: 10.4.1 a-c	Same as State Church Concepts/Attitude Skills I a-g II a-h
Novels: Night She Said Yes The Pearl	TLW: -read, analyze and discuss novel -read and apply word analysis and vocabulary to comprehend text -discuss comprehension of text -demonstrate comprehension through discussion, group work, and writings	Quizzes Essay writing	Word Analysis: 10.1.3 Fluency: 10.1.4 Vocabulary: 10.1.5 a-e Comprehension: 10.1.6 a-p Speaking: 10.3.1 a-f Listening: 10.3.2 a-c Reciprocal Communication: 10.3.3 a-e Information Fluency: 10.4.1 a-c	Same as State Church Concepts/Attitude Skills I a-g II a-h
Short Stories	TLW: -read, analyze and discuss stories -read and apply word analysis and vocabulary to comprehend text -discuss comprehension of text -demonstrate comprehension through discussion, group work, and writings	Quizzes Essay writing Writing prompt exercises	Word Analysis: 10.1.3 Fluency: 10.1.4 Vocabulary: 10.1.5 a-e Comprehension: 10.1.6 a-p Speaking: 10.3.1 a-f Listening: 10.3.2 a-c Reciprocal Communication: 10.3.3 a-e Information Fluency: 10.4.1 a-c	Same as State Church Concepts/Attitude Skills I a-g II a-h

Poetry	TLW: -read, analyze and discuss poems -read and apply word analysis and vocabulary to comprehend text -discuss comprehension of poems -demonstrate comprehension through discussion, group work, and writings	Quizzes Essay writing	Word Analysis: 10.1.3 Fluency: 10.1.4 Vocabulary: 10.1.5 a-e Comprehension: 10.1.6 a-p Speaking: 10.3.1 a-f Listening: 10.3.2 a-c Reciprocal Communication: 10.3.3 a-e Information Fluency: 10.4.1 a-c	Same as State Church Concepts/Attitude Skills I a-g II a-h
Writings: Research Paper Essay Vocabulary Book Responses Various	TLW: -apply concepts of print and use word analysis to create each work -demonstrate fluency in sentence structure and information organization -comprehend the research and organize for a final paper -demonstrate proper citation, grammar, spelling and 6 trait form -write in multiple modes for a variety of purposes -demonstrate an understanding of 6 traits and apply them to proofreading others work	Weekly paragraph writings Unit vocabulary/grammar quizzes Final research paper- 5-7 pages	Print: 10.1.1 Word Analysis 10.1.3 Fluency: 10.1.4 Comprehension: 10.1.6 a-o Information fluency: 10.4.1 a-b Writing Process: 10.2.1 a-j Writing Modes: 10.2.2 a-d; 10.2.2.3	Same as State
Presentations: Articles Books	TLW: -report on comprehension of work through an oral presentation -demonstrate oral skills of presentation	Timed Power point presentation on reading book Oral summary of article	-Phonological Awareness: 10.1.2 -Speaking: 10.3.1 a-f -Reciprocal Communication: 10.3.3 a-e -Information Fluency: 10.4.1 a-c -Digital Citizenship: 10.4.2 a-b	Same as State
Gramma/Vocabulary	TLW: -build and use grade level vocabulary -apply analysis strategies -verify meaning and pronunciation -apply grammatical rules to writing	Weekly paragraph writings Unit vocabulary/grammar quizzes	Word Analysis: 10.1.3 Vocabulary: 10.1.5 a-e Writing: 10.2.2 d	Same as State

Independent Reading	TLW: -apply concepts of print and use word analysis to create each response -demonstrate fluency in sentence structure and information organization -comprehend the reading, research and organize for a final writing or AR Test -demonstrate proper citation, grammar, spelling and 6 trait form	AR Test Written Response	Print: 10.1.1 Word Analysis: 10.1.3 Fluency: 10.1.4 Vocabulary: 10.1.5 Comprehension: 10.1.6 Writing: 10.2.1;10.2.2 Information Fluency: 10.4.1	Same as State

Aquinas Catholic High School: Spanish 1

Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
Unit 1 ¡Bienvenids! (No grammar in this unit.)	TLW 1. Introduce themselves 2. Greet other 3. Tell time & read time tables 4. Give dates 5. Use numbers up to 100 in discussing prices. 6. Talk about the weather. 7. Be introduced to the basic sound of the language, the alphabet, basic stock phrases. 8. Be introduced to the variety of the Spanish speaking world.	1. Individual presentation 2. Partner conversation 3. Vocab Quiz 4. Teacher Directed Oral Activities 5. Reading Activities 6. Written Activities 7. Video Activities 8. Comprehensive exam 9. Project Activity	Standards 1.1 B, F 1.2 E 1.3 E 2.1 A, C, D, E 3.2 A 4.1 A, C, D	(same as state)
Unit 2 Nosotros Los hispanoamericanos	TLW 1. Talk about what they do in and outside of class. 2. Say what they do not like to do. 3. Express what they hope and wish to do (in school, with friends, later in life0 4. Ask questions about these same topics 5. Use the present tense of –AR verbs 6. Use subject verb agreement. 7. Be introduced to the number and diversity of Hispanic communities in the United States.	1. Individual presentation 2. Partner conversation 3. Vocab Quiz 4. Teacher Directed Oral Activities 5. Reading Activities 6. Written Activities 7. Video Activities 8. Comprehensive exam	Standards 1.1 A, D, E, F, G 1.2 B, E , F 1.3 E 2.1 A, C, D, E 2.2 E 4.1 A, B, C, D	(same as state)

Unit 3 Amigos….y amigas	TLW 1. Talk about their immediate world (possessions & peers) 2. Describe people (appearance, personality, national origin) 3. Describe everyday objects (appearance, origin, cost) 4. Identify gender & number of nouns 5. Use definite & indefinite nouns 6. Use descriptive adjectives 7. Use the verbs SER & TENER 8. Be introduced to the habits of interpersonal relationship, especially dating and friendship in the Hispanic world.	1. Individual presentation 2. Partner conversation 3. Vocab Quiz 4. Teacher Directed Oral Activities 5. Reading Activities 6. Written Activities 7. Video Activities 8. Comprehensive exam 9. Project Activity	Standards 1.1 A, B, C, D, E. 1.2 B, C, D, E. G 1.3 B, C, D 2.1 A, C, D, E 2.2 E 4.1 A, B, C, D	
Prayers	TLW 1. Memorize the "Our Father" 2. Participate in offering daily intentions	1. Say prayer from memory	Standards 1.3 E 3.1 A	

Aquinas Catholic High School: Spanish 2

Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
Unit 4 (Y ahora…¡México!)	TLW 1. Describe his in-school and out-of-school activities 2. Talk about where he lives 3. Describe how he feels 4. Discuss future plans (especially weekend and vacation activities) 5. Write a postcard or short letter 6. Use the personal "a" 7. Use the verb "ir" 8. Express the future with "Ir + a" 9. Use the verb "estar" 10. Contrast "ser" & "estar" 11. Use the present progressive tense 12. Use 3rd person direct object pronouns. 13. Understand the importance of Mexico in relationship to the United States.	1. Individual presentation 2. Partner conversation 3. Vocab Quiz 4. Teacher Directed Oral Activities 5. Reading Activities 6. Written Activities 7. Video Activities 8. Comprehensive exam	Standards 1.1 D. E, F 1.2 A, B, C, D, E 1.3 B, D, E 2.1 A, B, C, D, E 2.2 B, E, F 4.1 A, B, C, D	
Unit 5 (Mi familia y yo)	TLW 1. Describe his home 2. Talk about his family and other in his life 3. Talk about his belongings and those of others 4. Discuss actions and activities involving other people, using direct and indirect object pronouns 5. Show the concept of possession (with "de" and with prosessive pronouns 6. Use the present tense of regular –er & -ir verbs	1. Individual presentation 2. Partner conversation 3. Vocab Quiz 4. Teacher Directed Oral Activities 5. Reading Activities 6. Written Activities 7. Video Activities 8. Comprehensive exam 9. Project	Standards 1.1 F, G, H 1.2 A, B, C, D, E, G 1.3 C, D, E 2.1 A, C, D, E 2.2 E 4.1 A, B, C, D 4.2 C	

	7. Use the irregular decir, ver, hacer & dar verbs 8. Use 3rd person indirect object pronouns 9. Understand more about Hispanic life. 10. Learn basic fact about Caracas 11. Learn basic facts about the Spanish-speaking people of New York City.			
Unit 6 (Nuestras diversions)	TLW 1. Discuss whe he spends and earns. 2. Talk about sports 3. Discuss leisure time activities, such as movies, TV and reading. 4. Use the object pronouns ME, TE and NOS. 5. Us the definite article in a general sense 6. Use affirmative and negative expressions 7. Use stem-changing verbs 8. Use verb that end in -CER and –CIR. 9. Learn the basic view of Hispanics concerning money, movies, and dating.	1. Individual presentation 2. Partner conversation 3. Vocab Quiz 4. Teacher Directed Oral Activities 5. Reading Activities 6. Written Activities 7. Video Activities 8. Comprehensive exam	Standards 1.1 A, B, C, D, E 1.2 A, B, C, D, E 1.3 B, C, E 2.1 C, D, E 2.2 E, F 4.1 A, B, C, D 4.2 B, C	
Prayers				

Day of the Dead Project	TLW recognize the customs used in Mexico/Central America to celebrate their dead.	TLW create their own offering alter to commemorate a person who has passed away in the style of the Mexican people.	Standards 4.2 A, B, D	

Aquinas Catholic High School: Spanish 3

Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
Unit 7 (Los secretos de una Buena presentación)	TLW 1. Use Spanish to shop for clothes. 2. Use Spanish to talk about personal fitness. 3. Use Spanish to discuss daily activities. 4. Use comparatives and superlatives constructions. 5. Use demonstrative adjectives. 6. Use the nominalization of adjectives. 7. Use the definite article with parts of the body. 8. Focus on daily appearance in the Hispanic society.	1. Individual presentation 2. Partner conversation 3. Vocab Quiz 4. Teacher Directed Oral Activities 5. Reading Activities 6. Written Activities 7. Video Activities 8. Comprehensive exam 9. Project Activity	Standards 1.1 A, B, C, D, E, F, G H 1.2 A, B, C, D, E 1.3 B 3.1 A. B 4.1 A, B, C, D	(SAME)
Unit 8 (La vida y sus sorpresas)	TLW 1. Report on past events. 2. Talk about events that have happened recently. 3. Begin to keep a diary. 4. Use the construction ACABAR DE + INFINITIVE 5. Use the construction HACE + PRESENT 6. Use the preterite forms of –AR, -ER & -IR verbs. 7. Use the preterite forms of stem changing verbs. 8. Use the preterite forms of DAR & VER. 9. Expand knowledge of Hispanic celebrations.	1. Individual presentation 2. Partner conversation 3. Vocab Quiz 4. Teacher Directed Oral Activities 5. Reading Activities 6. Written Activities 7. Video Activities 8. Comprehensive exam	Standards 1.1 A, B, C, D, E, F, G H 1.2 A, B, C, D, E 1.3 B 3.1 A. B 4.1 A, B, C, D	(Same)

Unit 9 (Buscando trabajo)	TLW		Standards	(Same)
	1. Describe where they went last weekend. 2. Talk about the profession they would choose and why. 3. Describe his own talents 4. Practice applying for a job and participate in in a practice job interview. 5. Make a distinction between SABER and CONOCER. 6. Make a distinction between POR and PARA. 7. Use the neuter LO and LO QUE. 8. Use the verb + infinitive and the preposition + infinitive contructions. 9. Focus on the benefits the usefulness of know Spanish for various careers and professions.	1. Individual presentation 2. Partner conversation 3. Vocab Quiz 4. Teacher Directed Oral Activities 5. Reading Activities 6. Written Activities 7. Video Activities 8. Comprehensive exam 9. Project Activity	1.1 A, B, C, D, E, F, G H 1.2 A, B, C, D, E 1.3 B 3.1 A. B 4.1 A, B, C, D	
Prayers				

Aquinas High School Curriculum [Speech Adv.] Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
Outlining/Speech Structure	TLW: proper public speaking skills.	Presentations Tests/Quizzes	LA 12.2.1.a LA 12.2.1.b LA 12.2.1.g LA 12.2.1.j LA 12.3.1.a LA 12.3.1.b LA 12.3.1.d LA 12.3.1.f	H 1 A 2 A 3
Vocabulary	TLW: will understand and correctly use proper public speaking terminology.	Tests/Quizzes	LA 12.1.6.k LA 12.1.6.o LA 12.3.3	A1-A6 H1-H3 PF 17
Presentational Speeches	TLW: present informative and persuasive style speeches using correct public speaking techniques.	Presentations Reflections	LA 12.2.1 LA 12.2.2 LA 12.3.1 LA 12.3.2 LA 12.3.3 LA 12.4.1 LA 12.4.2	A 1-A 6 H 1 H 4 PF 1 PF 4 PF 5 PF 6
Interpretation Speeches/Acting Scenes	TLW: present interpretation speeches and acting scenes using proper techniques for each art form.	Presentations Reflections	LA 12.2.1 LA 12.2.2 LA 12.3.1 LA 12.3.2 LA 12.3.3 LA 12.4.1 LA 12.4.2	PE 1 PE 2 PF 1 PF 2 PF 3 PF 9 PF 10

				PF 11
				PF 12
				PF 13
				PF 14
Critiquing Other Speakers	TLW: offer advice and constructive criticism to fellow presenters using proper public speaking terminology and skills.	Presentations Reflections	LA 12.3.1 LA 12.3.2 LA 12.3.3	PE 1 PE 2 PF 1 PF2 PF3 PF 9 PF 10 PF 11 PF 12 PF 13 PF 14
Evaluating Great Speeches	TLW: demonstrate comprehension of proper public speaking skills by evaluating selected speeches from past important persons.	Reflections	LA 12.1.1 LA 12.1.2 LA 12.1.3 LA 12.1.4 LA 12.1.5 LA 12.1.6 LA 12.3.2 LA 12.3.3	H 1- H 7
Script Cutting	TLW: demonstrate understanding of the limitations of presenting plays within specific parameters.	Projects Test/Quizzes	LA 12.1.1 LA 12.1.2 LA 12.1.3 LA 12.1.4 LA 12.1.5 LA 12.1.6 LA 12.2.1 LA 12.2.2 LA 12.3.2 LA 12.3.3	

Acting Style Presentations	TLW: demonstrate understanding of a specific acting style from theater history.	Presentations Reflections	LA 12.1.1 LA 12.4.1 LA 12.4.2 LA 12.2.1.a, .b, .c, .d, .e .h, .i	H 1-H 7
Play Reading Responses	TLW: demonstrate understanding of the conventions of writing for the theater.	Projects	LA 12.3.3 LA 12.3.2 LA 12.4.1	H 1- H 7 A 1- A 3
Teaching Speech 1 Concepts	TLW: demonstrate understanding of basic speech concepts and proper public speaking skills.	Presentations Reflections	LA 12.3.1 LA 12.3.2 LA 12.3.3	A 1-A 3 PE 1 PE 2

Aquinas High School Curriculum [Speech I] Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
Outlining/Speech Structure	TLW: use proper public speaking skills.	Tests/Quizzes Presentations	LA 12.2.1.a LA 12.2.1.b LA 12.2.1.g LA 12.2.1.j LA 12.3.1.a LA 12.3.1.b LA 12.3.1.d LA 12.3.1.f	H 1 A 2 A 3
Vocabulary	TLW: use proper public speaking skills. TLW: develop skills to assess material presented in the media. TLW: demonstrate proper listening skills.	Tests/Quizzes	LA 12.1.6.k LA 12.1.6.o LA 12.3.3	A1-A6 H1-H3 PF 17
Informative Speeches Informative Speech Demonstration Speech Entertainment Speech	TLW: present informative, entertainment, and demonstration speeches using proper public speaking skills. TLW: demonstrate proper listening skills.	Presentations	LA 12.2.1 LA 12.2.2 LA 12.3.1 LA 12.3.2 LA 12.3.3 LA 12.4.1 LA 12.4.2	A 1-A 6 H 1 H 4 PF 1 PF 4 PF 5 PF 6

	TLW: use computer technology for the researching and writing of speeches.			
Persuasive Speech Creating an Argument Evaluating the Argument of others	TLW: present persuasive speeches using proper public speaking skills. TLW: demonstrate proper listening skills. TLW: develop skills to assess material presented in the media. TLW: use computer technology for the researching and writing of speeches.	Presentations	LA 12.2.1 LA 12.2.2 LA 12.3.1 LA 12.3.2 LA 12.3.3	A 1-A 6 H 1 H 3 PF 1 PF 4 PF 5 PF 6
Time Sensitive Speeches Extemporaneous Speech Impromptu Speech	TLW: present impromptu and extemporaneous speeches using proper public speaking skills. TLW: use computer technology for the researching and writing of speeches.	Presentations	LA 12.2.1 LA 12.2.2 LA 12.3.1 LA 12.3.2 LA 12.3.3	A 1-A 6 H 1 H 3 PF 1 PF 4 PF 5 PF 6
Interpretation Events Humorous Prose	TLW: present interpretive speeches using proper public speaking skills.	Presentations	LA 12.2.1 LA 12.2.2 LA 12.3.1	A 1-A 7 PF 11 PF 12

			LA 12.3.2 LA 12.3.3	PF 13 PF 14 PF 15 PF 16
Dramatic Prose Poetry	TLW: use computer technology for the researching and writing of speeches.			
Visual Aids	TLW: create supporting materials for speeches using proper public speaking techniques.	Presentations Projects	LA 12.3.1.c	

Aquinas Catholic High School: World Studies

Curriculum

Topic	Objectives	Assessment	State Standard	Diocesan Standard
Unit One Introduction to the World	-Relate the World in terms its nations concerning economic development	"The World As a Village" Project/Essay Listing of 80 Nations in the World	SS 12.3.4f Determine the level of development and standard of living in nations using economics, social, and demographic indicators SS12.3.4.i Identify and explain the factors that contribute to cooperation and conflict within and between countries	
Unit Two Beginning of Man and Civilization	-Trace the science of human evolutionary discovery -Distinguish the advancements of the New and Old Stone Age -Define a civilization and discuss its critical attributes	Old/New Stone Age Quiz Civilization WS Evolution Essay Exam	SS12.3.2.c SS 12.3.4.c SS 12.3.4.d SS 12.3.4.e SS 12.4.2	

Unit 3 The Industrial Revolution	-Relate the many factors and events that led to the Industrial Revolution including the advantages of Great Britain -Discuss the many advantages and hardships caused by industrialization -Categorize the many reformers that advanced ideas to resolve problems caused by industrialization	"Why Britain" Advantages Quiz Industrial Revolution Chronology Reformers Worksheet Industrial Revolution Exam	SS 12.3.2 SS 12.3.4 SS 12.3.4.d SS 12.3.4.f SS 12.3.5.f SS 12.3.5.d SS 12.4.1.b	

Unit 4 India	-Discuss the factors of the ancient civilization of India in terms of religion and social class -List and explain the critical attributes of the religions of India -Relate the results of Imperialism on India -Explain the nationalistic movement of Gandhi leading to Indian independence -Map the nations of the Orient	Hinduism/Buddhism Worksheet Imperialism Quiz Gandhi Research Project India exam	SS 12.3.2.b SS 12.4.1.a (WLD) SS 12.4.1.b (WLD) SS 12.4.1.c (WLD) SS 12.4.2.a.(WLD) SS 12.4.2.b (WLD) SS 12.4.2.c (WLD)	
Unit 5 China	-Discuss the factors of the ancient civilization of China in terms of advancement, government, and religion -List and discuss the key ancient philosophies of China -Relate the results of Imperialism on China in terms of nationalistic movements and the fall of the dynasties -Discuss the revolution in China that led to Communist rule and its changes and effects	Chinese Civilization Advancement WS Imperialism in China Chronology Tiananmen Square Essay China Exam	SS 12.3.2.b SS 12.4.1.a (WLD) SS 12.4.1.b (WLD) SS 12.4.1.c (WLD) SS 12.4.2.a.(WLD) SS 12.4.2.b (WLD) SS 12.4.2.c (WLD)	

Unit 6 Judaism and Israel	-Construct a chronology ancient Jewish history relating events to the main beliefs of Judaism -Give reasons and examples of historic Anti-Semitism -Explain the rise of Nazism and the Holocaust -Relate events of the Jews to the formation of the nation of Israel -Map the nations of the Middle East	Map Quizzes Old Testament Events Quiz Holocaust Project Israel Chronology Exam	SS 12.3.2.b SS 12.4.1.a (WLD) SS 12.4.1.b (WLD) SS 12.4.1.c (WLD) SS 12.4.2.a.(WLD) SS 12.4.2.b (WLD) SS 12.4.2.c (WLD)	
Unit 7 Islam		Map Quizzes		