Science 8

Pennsylvania Academic Standards	Science 8 A/B	
Science: Grade 8	Unit Name	Lesson Name
3.1. Biological Sciences		
3.1.A. Organisms and Cells		
1 Common Characteristics of Life		
3.1.8.A1		
Intentionally Blank		
2 Energy Flow		
3.1.8.A2		
Intentionally Blank		
3 Life Cycles		
3.1.8.A3		
Intentionally Blank		
4 Cell Cycles		
3.1.8.A4		
Intentionally Blank		
5 Form and Function		
3.1.8.A5		
Intentionally Blank		
6 Organization		
3.1.8.A6		
Intentionally Blank		
7 Molecular Basis of Life		
3.1.8.A7		
Intentionally Blank		
8 Unifying Themes		
		Define Natural Selection
3.1.8.A8		Explain Natural Selection
CHANGE AND CONSTANCY	Natural Selection	Genetic Variation Over Time
Explain mechanisms organisms use to adapt to their environment.		Mathematics of Natural Selection
		Natural Selection Apply
3.1.B. Genetics		
1 Heredity		
3.1.8.B1		
Intentionally Blank		
2 Reproduction		
3.1.8.82		
Intentionally Blank		
3 Molecular Basis of Life 3.1.8.83		
Intentionally Blank 4 Bistock modern		
4 Biotechnology 3.1.8.84		
Intentionally Blank 5 Unifying Themes		
3.1.8.85		
Intentionally Blank		

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Pennsylvania Academic Standards	Science 8 A/B	
Science: Grade 8	Unit Name	Lesson Name
3.1.C. Evolution		
1 Natural Selection		
3.1.8.C1 Explain how reproductive success coupled with advantageous traits over many generations contributes to natural selection.	Natural Selection	 Define Natural Selection Explain Natural Selection Genetic Variation Over Time Traits, Survival, and Reproduction Mathematics of Natural Selection Natural Selection Apply
2 Adaptation		
3.1.8.C2 Intentionally Blank 3 Unifying Themes		
3.1.8.C3 Intentionally Blank		
3.2. Physical Sciences: Chemistry and Physics		
3.2.A. Chemistry		
1 Properties of Matter		
3.2.8.A1 Differentiate between mass and weight.	Gravity	Gravitational Attraction and Mass Investigating Gravity
2 Structure of Matter		The Common William of Alexander
3.2.8.A2 Identify characteristics of elements derived from the periodic table.	Matter Interactions	 The Composition of Atoms The Periodic Table Conservation in Chemical Reactions
3 Matter and Energy		
3.2.8.A3 Explain how changes in matter are accompanied by changes in energy.	Matter Interactions	Chemical Reactions
4 Reactions		
3.2.8.A4 Compare and contrast physical and chemical changes in terms of products.	Matter Interactions	Matter Interactions Portfolio 1 Matter Interactions Portfolio 2 Matter Interactions Portfolio 3
5 Unifying Themes		
3.2.8.A5 Intentionally Blank		
3.2.B. Physics		
1 Force & Motion of Particles and Rigid Bodies		
3.2.8.B1 Explain how inertia is a measure of an object's mass.	Newton's Laws	Newton's First Law Newton's Second Law
3.2.8.B1 Explain how momentum is related to the forces acting on an object.	Newton's Laws	Newton's Second Law
2 Energy Storage and Transformations: Conservation Laws		
3.2.8.B2 Identify situations where kinetic energy is transformed into potential energy, and vice versa.	Newton's Laws	Potential and Kinetic Energy
3 Heat/Heat Transfer		
3.2.8.B3 Explain how changes in temperature are accompanied by changes in kinetic energy.	Newton's Laws	Potential and Kinetic Energy

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Pennsylvania Academic Standards	Science 8 A/B	
Science: Grade 8	Unit Name	Lesson Name
4 Electrical and Magnetic Energy		
3.2.8.B4	Matter Interestions	- Composition of Atoms
Compare and contrast atomic properties of conductors and insulators.	Matter Interactions	Composition of Atoms
5 Nature of Waves (Sound and Light Energy)		
3.2.8.B5		
Intentionally Blank		
6 Unifying Themes		
3.2.8.B6		
PATTERNS	The Design World	Physics and Chemistry in Design
Explain how physics principles underlie everyday phenomena and important technologies.		
3.3. Earth and Space Sciences		
3.3.A. Earth Structure, Processes and Cycles		
1 Earth Features and the Processes that Change It		
3.3.8.A1	Age of Earth	Physical Weathering of Rock
Distinguish between physical and chemical weathering.		Chemical Weathering of Rock
3.3.8.A1	Climate	The Climate System
Compare and contrast the types of energy that drive Earth's systems.		
2 Earth's Resources/Materials		a Danawahla and Managananahla Dagawaga
3.3.8.A2	Natural Resources	Renewable and Nonrenewable Resources
Describe renewable and nonrenewable energy resources.		Fossil Fuels
3 Earth's History 3.3.8.A3		
	Age of Earth	The Growing Atlantic Ocean
Explain how matter on earth is conserved throughout the geological processes over time. 4 Water		
		Ocean Currents
3.3.8.A4		Ocean Circulation
Explain how the oceans form one interconnected circulation system powered by wind, tides, the Earth's rotation,	Climate	The Climate System
and water density differences.		Climate System Climate Apply
5 Weather and Climate		- спиасе другу
		Heating Patterns
3.3.8.A5	Climate	The Climate System
Explain how the curvature of the earth contributes to climate.		Climate Apply
3.3.8.A5		
Compare and contrast water vapor, clouds, and humidity.	Climate	Atmospheric Currents
6 Unifying Themes		
3.3.8.A6		Atmospheric Currents
	CI'	Thermal Energy
CHANGES	Climate	The Climate System
Explain changes in earth systems in terms of energy transformation and transport.		Climate Apply
3.3.8.A6		
MODELS	Impact of Humans	Conserving Bioresources
Explain how satellite images, models, and maps are used to identify Earth's resources.		
3.3.B. Origin and Evolution of the Universe		
1 Composition and Structure		

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Pennsylvania Academic Standards	Science 8 A/B	
Science: Grade 8	Unit Name	Lesson Name
3.3.8.B1	The Universe	• Galaxies
Explain how light, measured remotely, can be used to classify objects in the universe.	The Universe	Galaxies
2 Unifying Themes		
3.3.8.B2		
SCALE AND MEASUREMENT	The Universe	Theories about the Universe
Explain measurements and evidence indicating the age of the universe.		
3.4. Technology and Engineering Education		
3.4.A. The Scope of Technology		
1 Characteristics of Technology		
3.4.8.A1	Impact of Humans	Conserving Bioresources
Analyze the development of technology based on affordability or urgency.	impact of Hamans	Conserving profesources
2 Core Concepts of Technology		
3.4.8.A2		
Explain how controls are steps that people perform using information about the system that causes systems to	The Design World	Transportation Design
change.		
3 Technology Connections		
3.4.8.A3		
Compare how a product, system, or environment developed for one setting may be applied to another setting.	The Design World	Biotechnology
3.4.B. Technology and Society		
1 Effects of Technology		***
3.4.8.B1	The Design World	Making Compost
Evaluate the societal implications of the management of waste produced by technology.	-	Reducing Food Waste
2 Technology and Environment		
3.4.8.B2	Natural Resources	• Energy Exploration
Compare and contrast decisions to develop and use technologies as related to environmental and economic	Impact of Humans	Conserving Mineral Resources
concerns.	•	Conserving Bioresources
3 Society and Development of Technology 3.4.8.B3		
	The Design World	a Dasien Taska alamı
Explain how throughout history, new technologies have resulted from the demands, values, and interests of	The Design World	Design Technology
individuals businesses industries and societies.		
4 Technology and History 3.4.8.B4		
	The Design World	Design Technology
Explain how societal and cultural priorities and values are reflected in technological devices.		
3.4.C. Technology and Engineering Design 1 Design Attributes		
T Design Actubutes	Impact of Humans	Mitigating Human Impact Portfolio 2
3.4.8.C1		Non-Contact Forces Portfolio 3
Evaluate the criteria and constraints of a design.	Non-Contact Forces	Biodiversity Portfolio 2
Livaluate the chieffa and constraints of a design.	Biodiversity	Biodiversity Portfolio 2 Biodiversity Portfolio 3
2 Engineering Decign		- blodiversity Portiono 3
2 Engineering Design 3.4.8.C2		
Explore the design process as a collaborative endeavor in which each person in the group presents his or her	The Design World	The Design World Introduction
	The Design World	Design Technology
ideas in an open forum.		

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Pennsylvania Academic Standards	Science 8 A/B	
Science: Grade 8	Unit Name	Lesson Name
3 Research & Development, Invention & Innovation, Experimentation/Problem Solving and Troubleshooting		
3.4.8.C3	The Design World	Physics and Chemistry in Design
Analyze how a multi-disciplinary (STEM) approach to problem solving will yield greater results.	The Design World	• Physics and Chemistry in Design
3.4.D. Abilities for a Technological World		
1 Applying the Design Process		
3.4.8.D1	Impact of Humans	Mitigating Human Impact Portfolio 2
Test and evaluate the solutions for a design problem.	Impact of Humans	Mitigating Human Impact Portfolio 3
2 Using and Maintaining Technological Systems		
3.4.8.D2	Impact of Humans	Mitigating Human Impact Portfolio 3
Operate and maintain systems in order to achieve a given purpose.	Matter Interactions	The Periodic Table
Operate and maintain systems in order to achieve a given purpose.	Gravity	Investigating Gravity
3 Assessing Impact of Products and Systems		
3.4.8.D3	Impact of Humans	Mitigating Human Impact Portfolio 3
Interpret and evaluate the accuracy of the information obtained and determine its usefulness.	Impact of Humans	Willigating Human impact Portiono 3
3.4.E. The Designed World		
1 Medical Technologies		
3.4.8.E1		
Analyze what technologies are used in genetic engineering and predict how it may change the future of	Natural Selection	Human Influence on Traits
medicine.		
2 Agricultural and Related Biotechnologies		
3.4.8.E2		
Describe how biotechnology applies the principles of biology to create commercial products or processes.	The Design world	Biotechnology
3 Energy and Power Technologies		
3.4.8.E3	The Design World	Transportation Design
Examine power systems are used to drive and provide propulsion to other technological products or systems.	l	Transportation Design
4 Information and Communication Technologies		
3.4.8.E4		
Describe how the design of the message is influenced by such factors as the intended audience, medium,	The Design World	Construction Design
purpose, and nature of the message.	The Besign World	Solistraction Besign
5 Transportation Technologies		
3.4.8.E5	The Design World	Transportation Technology
Describe how governmental regulations influence the design, operation and efficiency of transportation systems	The Besign World	Transportation recimology
6 Manufacturing Technologies		
3.4.8.E6		
Analyze the steps involved in the manufacturing process (e.g., design, development, production, marketing and	Natural Resources	Resource Processing
servicing of products and systems).	The second secon	
7 Construction Technologies		
3.4.8.E7		
Analyze factors that determine structural design (e.g., building laws and codes, style, convenience, cost, climate,	The Design World	Construction Design
	The Design World	- Construction Design
and function).	1	

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Physical Science

Pennsylvania Academic Standards	Physical Science A/B	
Science: Physical Science	Unit Name	Lesson Name
Main Ideas: Chemistry		
Scientific Method		
3.1.10.A6		Periodic Table Introduction
Compare and contrast scientific theories	Atomic Structure	Extend the lesson to compare and contrast
compare and contrast scientific theories		scientific theories.
	Atomic Structure	Composition of Atoms
	Atomic structure	Periodic Table Introduction
	Properties	 Thermal Energy and Kinetic Molecular Theory
	Properties	 Solutes and Solvents
	Chemical Reactions	Chemical Reactions
	Nuclear Processes	Energy Release
	Newton's Laws	Newton's Second Law
	Newton's Laws	Force, Mass and Acceleration
	Force and Motion	 Position, Distance, and Displacement
	Torce and Wotlon	Velocity and Acceleration
	Conservation of Momentum	Momentum Portfolio Day 1
	Force and Work	Force and Work Introduction
	Torce and Work	Efficiency of Machines
	Gravity	Gravitational Force, Attraction, and Mass
		Investigating Gravity
3.1.C.A6		Analyzing Gravitational Data
Know that both direct and indirect observations are used by scientists to study the natural world and universe		Gravity and Air Resistance
	Energy and Forces	Two Object Interaction
		Cause and Effect
		Energy and Forces Motion Portfolio 1
		Kinetic and Thermal Energy
		Energy Transfer and Temperature
	Thermal Energy	Thermal Energy Transfer Device Portfolio 1
		Thermal Energy Transfer Device Portfolio 2
		Thermal Energy Transfer Device Portfolio 3
		Strength of Electrical Forces
	Non-Contact Forces	Strength of Magnetic Forces
		Non-Contact Forces Portfolio 2
		Lens and Mirrors
	l	Wave Characteristics
	Waves	Sound Wave Phenomena
		Characteristics of Waves
		Waves in Different Media
	Atomic Structure	Periodic Table Introduction
	Properties	Thermal Energy and Kinetic Molecular Theory
		Solutes and Solvents

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Pennsylvania Academic Standards	Р	hysical Science A/B
Science: Physical Science	Unit Name	Lesson Name
		Chemical Reactions
		 Law of Conservation of Matter
	Chemical Reactions	 Conservation in Chemical Reactions
		Types of Reactions
		Reaction Rates Portfolio 3
	Nuclear Processes	Energy Release
	Newton's Laws	Newton's Laws Introduction
		Collision Forces
	Force and Motion	Forces that Change Motion
	Conservation of Momentum	Momentum Portfolio Day 1
		Momentum Portfolio Day 2
	Force and Work	Efficiency of Machines
		Gravitational Force, Attraction, and Mass
	Gravity	Investigating Gravity
	-	Analyzing Gravitational Data
	Energy of Motion	Kinetic and Potential Energy
24246		Two Object Interaction
3.1.P.A6		Cause and Effect
Identify questions and concepts that guide scientific investigations	Energy and Forces	Energy and Forces Motion Portfolio 1
		Energy and Forces Motion Portfolio 2
		Energy and Forces Motion Portfolio 3
		• Energy of Four Forces
		Thermal Energy Unit Introduction Thermal Energy Transfer Position Postfelia 1
	Thermal Energy	Thermal Energy Transfer Device Portfolio 1 Thermal Energy Transfer Device Portfolio 2
		5,
		Thermal Energy Transfer Device Portfolio 3 Strength of Electrical Forces
		Conductors and Insulators
		Non-Contact Forces Portfolio 1
	Non-Contact Forces	Non-Contact Forces Portfolio 2
		Non-Contact Forces Portfolio 3
		Electromagnetism in Use
		Lens and Mirrors
		Wave Characteristics
		Sound Wave Phenomena
	Waves	Wave Application
		Digital and Analog Systems
		Life Without Digital Systems
		Pros and Cons of Digital Systems
		Composition of Atoms
	Atomic Structure	Molecules and Structures
		Periodic Table Introduction
	Chemical Pagetions	Conservation in Chemical Reactions
	Chemical Reactions	Reaction Rates Portfolio 3
	Nuclear Processes	Energy Release

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Pennsylvania Academic Standards	P	Physical Science A/B	
Science: Physical Science	Unit Name	Lesson Name	
		Newton's Laws Introduction	
	Newton's Laws	Newton's Second Law	
	Newton's Laws	Force, Mass and Acceleration	
		Collision Forces	
	Force and Motion	 Position, Distance, and Displacement 	
	Force and Motion	Forces that Change Motion	
	Conservation of Momentum	Momentum Portfolio Day 1	
	Conservation of Momentum	Momentum Portfolio Day 2	
	Force and Work	Efficiency of Machines	
		 Gravitational Force, Attraction, and Mass 	
	C-mailte.	Investigating Gravity	
	Gravity	Analyzing Gravitational Data	
.1.P.A6		Gravity and Air Resistance	
ormulate and revise explanations and models using logic and evidence		Kinetic and Potential Energy	
	Energy of Motion	Factors that Affect Kinetic Energy	
		Predicting Changes in Kinetic Energy	
		Two Object Interaction	
	5	Stored Energy Changes I	
	Energy and Forces	Stored Energy Changes II	
		Energy and Forces Motion Portfolio 3	
		Thermal Energy Unit Introduction	
		Energy Transfer and Temperature	
	Thermal Energy	Thermal Energy Transfer Device Portfolio 2	
		Thermal Energy Transfer Device Portfolio 3	
		Strength of Electrical Forces	
		Strength of Magnetic Forces	
	Non-Contact Forces	Non-Contact Forces Portfolio 2	
	1.0.1.00.1.00.000	Non-Contact Forces Portfolio 3	
		Electromagnetism in Use	
		Sound Wave Phenomena	
	Waves	Frequency and Wavelength	
	Wates	Wave Application	
	Atomic Structure	Periodic Table Introduction	
.1.P.A6	Atomic structure	Newton's Second Law	
ecognize and analyze alternative explanations and models	Newton's Laws	Newton's Third Law	
need the and analyze are made explanations and modes	Thermal Energy	Thermal Energy Transfer Device Portfolio 2	
	Thermal Ellergy	Thermal Energy Transfer Device Portfolio 2 Thermal Energy Transfer Device Portfolio 2	
.1.P.A6		Extend the lesson to explain the importance of	
xplain the importance of accuracy and precision in making valid measurements	Thermal Energy	accuracy and precision in making valid	
xpiant the importance of accuracy and precision in making valid measurements			
	Chemical Reactions	measurements. • Reaction Rates Portfolio 3	
3.1.P.A6	Conservation of Momentum	Momentum Portfolio Day 2 Analyzing Gravitational Data	
	Gravity	Analyzing Gravitational Data Thermal Francisco Position Position 2	
nterpret results of experimental research to predict new information, propose additional questions	or advance a Thermal Energy	Thermal Energy Transfer Device Portfolio 3	

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Pennsylvania Academic Standards	P	Physical Science A/B	
Science: Physical Science	Unit Name	Lesson Name	
solution		Strength of Electrical Forces	
	Non-Contact Forces	Non-Contact Forces Portfolio 2	
		Non-Contact Forces Portfolio 3	
3.2.8.A1 Differentiate between mass and weight	Gravity	Gravitational Force, Attraction, and Mass	
Differentiate between mass and weight		Physical vs. Chemical Change	
	Chemical Reactions	Conservation in Chemical Reactions	
		Newton's First Law	
	h	Newton's Second Law	
	Newton's Laws	Force, Mass and Acceleration	
3.4.8.D3		Newton's Third Law	
Interpret and evaluate the accuracy of the information obtained and determine its usefulness	Conservation of Momentum	Momentum Portfolio Day 2	
		Thermal Energy Transfer Device Portfolio 1	
	Thermal Energy	 Thermal Energy Transfer Device Portfolio 2 	
		Thermal Energy Transfer Device Portfolio 3	
	Non-Contact Forces	Non-Contact Forces Portfolio 2	
		Non-Contact Forces Portfolio 3	
Classifying Matter, Physical Properties, States of Matter, Chemical Properties			
3.2.C.A1	Chemical Reactions	Physical vs. Chemical Change	
Differentiate between physical properties and chemical properties 3.2.C.A1		Law of Conservation of Matter Properties Introduction	
Differentiate between pure substances and mixtures	Properties	Solutes and Solvents	
3.2.C.A1		5 Solutes and Solvents	
Differentiate between heterogeneous and homogeneous mixtures	Physical Reactions	Physical vs. Chemical Change	
	Proportion	Thermal Energy and Kinetic Molecular Theory	
3.2.C.A3	Properties	Gases Under Pressure	
Describe the three normal states of matter in terms of energy, particle motion, and phase transitions		Energy Transfer and Temperature	
beschibe the three normal states of matter in terms of chergy, particle motion, and phase transitions	Thermal Energy	Matter and Temperature	
		Energy Transfer and Temperature	
	Properties	Ph, Acids and Bases	
		Acid Base Solutions Character Character	
3.2.C.A4		Physical vs. Chemical Change Chemical Reactions	
Predict how combinations of substances can result in physical and/or chemical changes	Chemical Reactions	Law of Conservation of Matter	
Fredict flow combinations of substances carries dit in physical and/or chemical changes		Types of Reactions	
		Matter and Temperature	
	Thermal Energy	Energy Transfer and Temperature	
	Properties	Thermal Energy and Kinetic Molecular Theory	
3.2.10.A3		Matter and Temperature	
Describe phases of matter according to the kinetic molecular theory	Thermal Energy	Energy Transfer and Temperature	
3.2.8.A4	Chemical Reactions	Physical vs. Chemical Change	
Compare and contrast physical and chemical changes in terms of products	Chemical Nedectoris	- Thysical vs. Chemical Glange	
3.2.8.A1	Gravity	Gravitational Force, Attraction, and Mass	
Differentiate between mass and weight			
Atomic Theory, Atoms			

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Pennsylvania Academic Standards	Physical Science A/B	
Science: Physical Science	Unit Name	Lesson Name
3.2.10.A5 Describe the historical development of models of the atom and how they contributed to modern atomic theory	Atomic Structure	Periodic Table Introduction
3.2.10.A6 Compare and contrast scientific theories	Atomic Structure	 Periodic Table Introduction Extend the lesson to compare and contrast scientific theories.
	Atomic Structure	Periodic Table Introduction
3.2.10.A6 Identify questions and concepts that guide scientific investigations	Properties Chemical Reactions	Thermal Energy and Kinetic Molecular Theory Chemical Reactions Law of Conservation of Matter Conservation in Chemical Reactions Types of Reactions Reaction Rates Portfolio 3
	Nuclear Processes	Energy Release
3.2.10.A6 Recognize and analyze alternative explanations and models	Atomic Structure	Periodic Table Introduction
3.2.10.A6	Atomic Structure	Composition of Atoms Molecules and Structures Periodic Table Introduction
Formulate and revise explanations and models using logic and evidence	Chemical Reactions	 Conservation in Chemical Reactions Reaction Rates Portfolio 3
	Nuclear Processes	Energy Release
3.2.C.A5 Recognize discoveries from Dalton, Thomson, Rutherford, and Bohr and understand how each discovery leads to	Atomic Structure	Periodic Table Introduction
modern theory	Nuclear Processes	Alpha Particle Emission
3.2.C.A5 Describe Rutherford's gold foil experiment that led to the discovery of the nuclear atom	Atomic Structure	Periodic Table Introduction
3.2.C.A5 Identify the major components of the nuclear atom and explain how they interact	Atomic Structure	Composition of AtomsPeriodic Table IntroductionBonds
Periodic Table		
3.2.10.A1 Predict properties of elements using trends on the periodic table	Atomic Structure	 Periodic Table Introduction Valence Electrons Bonds Ions
	Chemical Reactions	Patterns of Properties Covalent and Ionic Bonding
	Nuclear Processes	Energy Release
3.2.C.A1 Explain the relationship of an element's position on the periodic table to its atomic number, ionization energy, electro-negativity, atomic size, and classification of elements	Atomic Structure	Composition of Atoms Periodic Table Introduction Valence Electrons Bonds Ions
,,,	Chemical Reactions	Patterns of Properties Covalent and Ionic Bonding

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Pennsylvania Academic Standards	Physical Science A/B	
Science: Physical Science	Unit Name	Lesson Name
3.2.C.A2	Atomic Structure	Atomic Structure Introduction
Compare the electron configurations for the first twenty elements on the periodic table		Periodic Table Introduction
		Valence Electrons
3.2.C.A2	Atomic Structure	• Bonds
Relate the position of an element on the periodic table to its electron configuration and compare its reactivity to		• Ions
the reactivity of other elements in the table	Chemical Reactions	Patterns of Properties
	Chemical Reactions	Covalent and Ionic Bonding
Chemical Bonds		
	Atomic Structure	• Bonds
3.2.10.A2		• Ions
Compare and contrast different bond types that result in the formation of molecules and compounds	Chemical Reactions	Covalent and Ionic Bonding To the Lorentz State
		Total Bond Energy
3.2.10.A2	Chemical Reactions	Covalent and Ionic Bonding
Explain why compounds are composed of integer ratios of elements	Chemical Reactions	Covalent and forms boriding
		• Bonds
****	Atomic Structure	• Ion
3.2.C.A2		Patterns of Properties
Explain how atoms combine to form compounds through both ionic and covalent bonds	Chemical Reactions	Covalent and Ionic Bonding
		Total Bond Energy
3.2.C.A2	Atomic Structure	• Ions
Predict chemical formulas based on the number of valence electrons		
3.2.C.A2	Atomic Structure	• Bonds
Draw Lewis dot structures for simple molecules and ionic compounds 3.2.C.A2		• Ions
Predict the chemical formulas for simple ionic and molecular compounds	Atomic Structure	• Ions
Treatet the themself of manager of the and molecular compounds		Ph, Acids and Bases
	Properties	Acid Base Solutions
	Chemical Reactions	Physical vs. Chemical Change
3.2.C.A4		Chemical Reactions
Predict how combinations of substances can result in physical and/or chemical changes		Law of Conservation of Matter
	Thermal Energy	Matter and Temperature
	<u></u>	Energy Transfer and Temperature
2.2.6.44	Non-Contact Forces	Non-Contact Forces Portfolio 3 Chamical Poactions
3.2.C.A4	Chemical Reactions	Chemical Reactions Law of Conservation of Matter
Interpret and apply the laws of conservation of mass, constant composition (definite proportions), and multiple	Chemical Reactions	Conservation of Matter Conservation in Chemical Reactions
proportions Chemical Reactions		Conservation in Chemical Reactions
		Chemical Reactions
3.2.10.A4	Chemical Reactions	Balance of Atoms
Describe chemical reactions in terms of atomic rearrangement and/or electron transfer		Types of Reactions
3.2.10.A4	Properties	Solutes and Solvents
3.2.10.A4 Explain the difference between endothermic and exothermic reactions		Total Bond Energy
Explain the unrelence between endourernic and exothernic reactions	Chemical Reactions	Changes in Bond Energy

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Pennsylvania Academic Standards	Physical Science A/B	
Science: Physical Science	Unit Name	Lesson Name
		Reaction Rates Portfolio 1
3.2.10.A4	Chemical Reactions	Reaction Rates Portfolio 2
Identify the factors that affect the rates of reactions	Chemicar Nededions	Reaction Rates Portfolio 3
		Changes in Bond Energy
3.2.C.A4		Chemical Reactions
Interpret and apply the laws of conservation of mass, constant composition (definite proportions), and multiple	Chemical Reactions	Law of Conservation of Matter
proportions		Conservation in Chemical Reactions
		Chemical Reactions
3.2.C.A4	Chemical Reactions	Balance of Atoms
Balance chemical equations by applying the laws of conservation of mass	Chemicar Nedections	Conservation in Chemical Reactions
balance chemical equations by applying the laws of conservation of mass		Types of Reactions
	Nuclear Processes	Modeling Fusion
3.2.C.A4		
Classify chemical reactions as synthesis, decomposition, single displacement, double displacement, and	Chemical Reactions	Types of Reactions
combustion		
Solutions, Acids, Bases		a Dh. Asida and Bassa
3.2.12.A4	Properties	Ph, Acids and Bases Acid Base Coloring
Describe the interactions between acids and bases	Chamila I Barasii ana	Acid Base Solutions
	Chemical Reactions	Types of Reactions Thermal Energy and Kinetic Molecular Theory
3.2.12.A1	Properties	
		Solutes and Solvents
Compare and contrast the unique properties of water to other liquids	Chandad Bandian	Acid Base Solutions
Nivelena Chausiatus	Chemical Reactions	Types of Reactions
Nuclear Chemistry 3.2.C.A3		
	Nuclear Processes	Modeling Nuclear Processes
Describe the process of radioactive decay by using nuclear equations and explain the concept of half-life for an	Nuclear Processes	Radioactive Decay Energy
isotope 3.2.C.A3		Modeling Nuclear Processes
	Nuclear Processes	Modeling Fission
Compare and contrast nuclear fission and nuclear fusion		• Wodeling Fission
3.2.12.A2	Nuclear Processes	Modeling Nuclear Processes
Explain the probabilistic nature of radioactive decay based on subatomic rearrangement in the atomic nucleus	Nucleal Processes	Radioactive Decay Energy
3.2.12.A4		
Explain how matter is transformed into energy in nuclear reactions according to E=mc ²	Nuclear Processes	Radioactive Decay Energy
Main Ideas: Physics		
Motion, Forces		
		Newton's Second Law
	Newton's Laws	Force, Mass and Acceleration
3.2.P.B1		Newton's Third Law
Differentiate among translational motion, simple harmonic motion, and rotational motion in terms of position	Force and Motion	Forces that Change Motion
velocity, and acceleration		Velocity and Acceleration
	Conservation of Momentum	Zero Net Force
	Energy and Forces	Two Object Interaction

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Pennsylvania Academic Standards	Р	Physical Science A/B	
Science: Physical Science	Unit Name	Lesson Name	
	Newton's Laws	 Newton's Second Law Force, Mass and Acceleration Newton's Third Law Collision Forces 	
3.2.P.B1 Use force and mass to explain translational motion or simple harmonic motion of objects	Force and Motion	 Magnitude and Direction of Force Forces that Change Motion Velocity and Acceleration Net Force and Acceleration 	
	Conservation of Momentum	Zero Net Force	
	Properties	•Thermal Energy and Kinetic Molecular Theory	
3.2.12.B2 Demonstrate how the law of conservation of momentum and conservation of energy provide alternate approaches to predict and describe the motion of objects	Conservation of Momentum	Momentum The Moment of Impact Using Vectors to Describe Momentum Zero Net Force Proving Conservation of Momentum Conservation of Momentum Apply	
	Energy of Motion	Kinetic and Potential Energy Predicting Changes in Kinetic Energy	
3.2.10.B1	Newton's Laws	Newton's Second Law Force, Mass and Acceleration Collision Forces	
Analyze the relationships among the net forces acting on a body, the mass of the body, and the resulting acceleration using Newton's Second Law of Motion	Force and Motion	Forces that Change Motion Velocity and Acceleration Net Force and Acceleration	
	Conservation of Momentum	Zero Net Force Momentum Portfolio Day 2	
3.2.10.B1 Apply Newton's Law of Universal gravitation to the forces between two objects	Gravity	Gravitational Force, Attraction and Mass	
3.2.10.B1	Newton's Laws	Newton's Third Law Collision Forces	
3.2.10.81 Use Newton's third law to explain forces as interactions between bodies	Force and Motion	Magnitude and Direction of Force Forces that Change Motion	
	Conservation of Momentum	Using Vectors to Describe Momentum	
3.2.10.B1 Describe how interactions between objects conserve momentum	Conservation of Momentum	Conservation of Momentum Introduction Momentum The Moment of Impact Using Vectors to Describe Momentum Zero Net Force Proving Conservation of Momentum Momentum Portfolio Day 1 Momentum Portfolio Day 2 Momentum Portfolio Day 3	

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Pennsylvania Academic Standards	Physical Science A/B	
Science: Physical Science	Unit Name	Lesson Name
		Newton's First Law Newton's Second Law
	Newton's Laws	Force, Mass and Acceleration
		Newton's Third Law
		Collision Forces
22000		Magnitude and Direction of Force
3.2.P.B6		Forces that Change Motion
Jse Newton's laws of motion and gravitation to describe and predict the motion of objects ranging from atoms	Force and Motion	Velocity and Acceleration
o the galaxies		Net Force and Acceleration
		Momentum
		The Moment of Impact
	Conservation of Momentum	 Using Vectors to Describe Momentum
		Zero Net Force
		Conservation of Momentum Apply
	Properties	•Thermal Energy and Kinetic Molecular Theory
		Newton's First Law
		Newton's Second Law
	Newton's Laws	Force, Mass and Acceleration
		Newton's Third Law
		Collision Forces
		 Magnitude and Direction of Force
	Force and Motion	 Forces that Change Motion
		 Velocity and Acceleration
3.2.12.B6		Net Force and Acceleration
Compare and contrast motions of objects using forces and conservation laws		Momentum
		The Moment of Impact
		Using Vectors to Describe Momentum
	Conservation of Momentum	Zero Net Force
	conservation of Momentum	 Proving Conservation of Momentum
		Momentum Portfolio Day 1
		Momentum Portfolio Day 3
	Energy of Motion	Conservation of Momentum Apply
		Kinetic and Potential Energy
	and gy or means.	Factors that Affect Kinetic Energy
Vork/Power		
·	Force and Work	Force and Work Relationships
explain the relationships between work and power inergy, Temperature/Heat		
mergy, remperature/ficat		
.2.10.B2	Properties	Thermal Energy and Kinetic Molecular Theory
xplain how the overall energy flowing through a system remains constant		Kinetic and Potential Energy
	Energy of Motion	Predicting Changes in Kinetic Energy
3.2.10.B2 Describe the work-energy theorem	Force and Work	Force and Work Relationships
Describe the Work-Chergy theorem	Properties	Thermal Energy and Kinetic Molecular Theory
	riopeities	- mennai chergy and kinetic Molecular Theory

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Pennsylvania Academic Standards	Physical Science A/B	
Science: Physical Science	Unit Name	Lesson Name
	Engage of Martins	Kinetic and Potential Energy
	Energy of Motion	 Predicting Changes in Kinetic Energy
		Two Object Interaction
		Stored Energy Changes I
3.2.10.86	Energy and Forces	Stored Energy Changes II
		Cause and Effect
Explain how the behavior of matter and energy follow predictable patterns that are defined by laws		Energy and Forces Motion Portfolio 1
		Thermal Energy Unit Introduction
		 Matter and Temperature
	Thermal Energy	 Energy Transfer and Temperature
		Thermal Energy Transfer Device Portfolio 1
		Thermal Energy Transfer
3.2.C.B3	Properties	 Thermal Energy and Kinetic Molecular Theory
Describe the law of conservation of energy	Energy of Motion	Kinetic and Potential Energy
Describe the law of conservation of energy	Thermal Energy	Thermal Energy Transfer Device Portfolio 1
	Properties	 Thermal Energy and Kinetic Molecular Theory
		 Kinetic and Potential Energy
	Energy of Motion	 Predicting Changes in Kinetic Energy
3.2.8.B2		Energy Transfer and Kinetic Energy
dentify situations where kinetic energy is transformed into potential energy, and vice versa		Two Object Interaction
identify situations where kinetic energy is transformed into potential energy, and vice versa	Energy and Foress	Stored Energy Changes II
	Energy and Forces	 Energy and Forces Motion Portfolio 1
		 Energy and Forces Motion Portfolio 3
	Thermal Energy	Matter and Temperature
3.3.8.A2	Energy of Motion	Renewable and Non-renewable Energy
Describe renewable and nonrenewable energy resources		
3.2.10.B3		Thermal Energy Unit Introduction
Explain how heat energy will move from a higher temperature to a lower temperature until equilibrium is	Thermal Energy	Matter and Temperature
reached	J.	Thermal Energy Transfer Device Portfolio 2
		Thermal Energy Transfer
3.2.10.B3		Thermal Energy Unit Introduction
Analyze the processes of convection, conduction, and radiation between objects or regions that are at different	Thermal Energy	Thermal Energy Transfer Device Portfolio 1
temperatures	1	Thermal Energy Transfer Device Portfolio 2
·	Bararatia.	Thermal Energy Transfer
3.2.C.B3	Properties	Solutes and Solvents Total Board France:
Explain the difference between an endothermic process and an exothermic process	Chemical Reactions	Total Bond Energy Change in Bond Energy
		Changes in Bond Energy Thermal Energy Unit Introduction
3.2.P.B3 Analyze factors that influence convection, conduction, and radiation between objects or regions that are at		
	Thermal Energy	Thermal Energy Transfer Device Portfolio 1 Thermal Foreign Position Position 2
different temperatures.		Thermal Energy Transfer Device Portfolio 2
	+	Thermal Energy Transfer
	Properties	Thermal Energy and Kinetic Molecular Theory
	Chemical Reactions	Reaction Rates Portfolio 1
		Reaction Rates Portfolio 2

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Pennsylvania Academic Standards	Physical Science A/B	
Science: Physical Science	Unit Name	Lesson Name
	Energy of Motion	Predicting Changes in Kinetic Energy
3.2.8.B3		Stored Energy Changes I
Explain how changes in temperature are accompanied by changes in kinetic energy	Energy and Forces	Stored Energy Changes II
		Thermal Energy Unit Introduction
		 Kinetic and Thermal Energy
	Thermal Energy	Matter and Temperature
		 Energy Transfer and Temperature
		Thermal Energy Transfer
	Properties	 Thermal Energy and Kinetic Molecular Theory
	Properties	Gases Under Pressure
	Chemical Reactions	Reaction Rates Portfolio 2
3.2.12.B4		Thermal Energy Unit Introduction
Describe the relationship between average kinetic molecular energy, temperature, and phase changes		Kinetic and Thermal Energy
	Thermal Energy	 Matter and Temperature
		Energy Transfer and Temperature
		Thermal Energy Transfer
Waves, Sound Waves, Light		
		Waves Introduction
		Wave Characteristics
3.2.10.B5	Waves	 Characteristics of Waves
Understand that waves transfer energy without transferring matter	waves	Frequency and Wavelength
		The Speed of Sound
		Wavelength in Different Media
3.2.10.B5	Waves	Waves Introduction
Compare and contrast the wave nature of light and sound	waves	Wave Characteristics
3.2.10.B5	Waves	Wave Characteristics
Describe the components of the electromagnetic spectrum	waves	Characteristics of Waves
3.2.10.B5	Waves	Waves Introduction
Describe the difference between sound and light waves	waves	Wave Characteristics
		Wave Characteristics
3.2.P.B5		Sound Wave Phenomena
Explain how waves transfer energy without transferring matter	Waves	 Characteristics of Waves
Explain now waves transfer energy without transferring matter		The Speed of Sound
		Wavelength in Different Media
3.2.P.B5		Sound Wave Phenomena
Explain how waves carry information from remote sources that can be detected and interpreted	Waves	Wave Application
Explain flow waves carry information from remote sources that can be detected and interpreted		Digital and Analog Systems
		Lens and Mirrors
		Sound Wave Phenomena
		Characteristics of Waves
3.2.P.B5	Waves	Frequency and Wavelength
Describe the causes of wave frequency, speed, and wavelength		The Speed of Sound
		Waves in Different Media
		Wavelength in Different Media
		Wave Application

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Pennsylvania Academic Standards	Physical Science A/B	
Science: Physical Science	Unit Name	Lesson Name
3.2.12.B5 Research how principles of wave transmissions are used in a wide range of technologies	Waves	 Sound Wave Phenomena Wavelength in Different Media Wave Application Digital and Analog Systems Life Without Digital Systems Pros and Cons of Digital Systems
3.2.12.B5 Research technologies that incorporate principles of wave transmission	Waves	 Characteristics of Waves Frequency and Wavelength Wavelength in Different Media Wave Application Life Without Digital Systems Pros and Cons of Digital Systems
Electricity, Magnetism		
3.2.10.B4 Describe quantitatively the relationships between voltage, current, and resistance to electrical energy and power	Non-Contact Forces	Electrical Energy Properties
3.2.10.84 Describe the relationship between electricity and magnetism as two aspects of a single electromagnetic force	Energy and Forces	Stored Energy Changes I Stored Energy Changes II Cause and Effect Energy and Forces Motion Portfolio 1 Energy and Forces Motion Portfolio 2 Energy and Forces Motion Portfolio 3
	Non-Contact Forces	Non-Contact Forces Introduction Strength of Magnetic Forces Non-Contact Forces Portfolio 3
2.20.04	Energy and Forces	Stored Energy Changes I Stored Energy Changes II Cause and Effect Energy and Forces Motion Portfolio 1
3.2.P.B4 Explain how stationary and moving particles result in electricity and magnetism	Non-Contact Forces	Electrical Circuits Strength of Magnetic Forces Non-Contact Forces Portfolio 1 Non-Contact Forces Portfolio 3 Electromagnetism in Use
3.2.P.B4	Energy and Forces	Energy and Forces Motion Portfolio 1
Develop qualitative and quantitative understanding of current, voltage, resistance, and the connections among them	Non-Contact Forces	Conductors and Insulators Electrical Energy Properties Electrical Circuits
3.2.P.B4	Energy and Forces	Stored Energy Changes I Stored Energy Changes II Cause and Effect Energy and Forces Motion Portfolio 1
Explain how electrical induction is applied in technology	Non-Contact Forces	Non-Contact Forces Introduction Electrical Circuits Electromagnetism in Use

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Pennsylvania Academic Standards	Physical Science A/B	
Science: Physical Science	Unit Name	Lesson Name
3.2.12.B4 Describe conceptually the attractive and repulsive forces between objects relative to their charges and the	Energy and Forces	Two Object Interaction
		Strength of Electrical Forces
		Non-Contact Forces Portfolio 1
	Non-Contact Forces	Non-Contact Forces Portfolio 2
		Non-Contact Forces Portfolio 3
		Electromagnetism in Use

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Biology

Pennsylvania Academic Standards	Biology A/B	
Science: Biology	Unit Name	Lesson Name
3.1. Biological Sciences		
3.1.A. Organisms and Cells		
1 Common Characteristics of Life		
3.1.B.A1	Cells and Body Systems	 What Goes In Must Come Out What is a Virus
Describe the common characteristics of life.	Biodiversity	Carry Capacity
	DNA	Genes, Chromosomes, and DNA
3.1.B.A1 Compare and contrast the cellular structures and degrees of complexity of prokaryotic and eukaryotic organisms.	Cells and Body Systems	Structures of the Cell Cell Structures
	Energy Flow	Energy Flow Apply
3.1.B.A1 Explain that some structures in eukaryotic cells developed from early prokaryotic cells (e.g., mitochondria, chloroplasts)	Cells and Body Systems	Structures of the Cell Cell Structures
2 Energy Flow		
3.1.B.A2 Identify the initial reactants, final products, and general purposes of photosynthesis and cellular respiration.	Cell Work	 Photosynthesis Photosynthesis: Energy Conversion Photosynthesis Portfolio 1 Photosynthesis Portfolio 2 Photosynthesis Portfolio 3 Cellular Respiration and Matter Making and Breaking Bonds for Energy Cellular Respiration Cell Work Apply
	Biochemistry	Respiration OverviewBiochemistry Apply
	Carbon Cycle	Living Things and the Carbon Cycle Cell Work and Carbon Carbon Cycle Apply
	Energy Flow	Describing the Flow of Energy Energy Flow Apply
3.1.B.A2 Explain the important role of ATP in cell metabolism.	Cell Work	Photosynthesis: Energy Conversion Cellular Respiration and Matter Making and Breaking Bonds for Energy Heat and Cellular Respiration
	Cell Work	Cell Work Apply
	Biochemistry	 You Are What You Eat What All Biomolecules Have in Common Biochemistry Apply
3.1.B.A2 Describe the relationship between photosynthesis and cellular respiration in photosynthetic organisms.	Carbon Cycle	 Living Things and the Carbon Cycle Cell Work and Carbon Carbon Cycle Apply

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3.1.B.A2 Explain why many biological macromolecules such as ATP and lipids contain high energy bonds. 3.1.B.A2 Explain the importance of enzymes as catalysts in cell reactions. 3.1.B.A2	Energy Flow Cell Work Biochemistry Biochemistry	Cycling of Matter and Energy Life Processes Recycling of Matter Describing the Flow of Energy Energy Flow Apply Making and Breaking Bonds for Energy Energy and Matter Conservation Respiration Overview What All Biomolecules Have in Common Chemical Reactions Chemical Reactions
Identify how factors such as pH and temperature may affect enzyme function.	,	
3.1.B.A3 Explain how all organisms begin their life cycles as a single cell and that in multicellular organisms, successive generations of embryonic cells form by cell division.	Mitosis	Mitosis Unit Introduction Complex Organisms
4 Cell Cycles	Calle and Barty Customer	Biometica of the Call Code
3.1.B.A4 Summarize the stages of the cell cycle.	Cells and Body Systems Mitosis	Disruptions of the Cell Cycle Complex Organisms Mitosis Apply
3.1.B.A4 Examine how interactions among the different molecules in the cell cause the distinct stages of the cell cycle which can also be influenced by other signaling molecules.	Cells and Body Systems	Disruptions of the Cell Cycle
3.1.B.A4 Explain the role of mitosis in the formation of new cells and its importance in maintaining chromosome number during asexual reproduction.	Mitosis	Complex Organisms Inputs and Outputs of Mitosis Mitosis in Complex Organisms Mitosis and Genetic Information How Cells Are Used in the Body Mitosis Apply
3.1.B.A4 Compare and contrast a virus and a cell. Relate the stages of viral cycles to the cell cycle.	Cells and Body Systems	What is a Virus Disruptions of the Cell Cycle
5 Form and Function		
3.1.B.A5 Relate the structure of cell organelles to their function (energy capture and release, transport, waste removal, protein synthesis, movement, etc.).	Cells and Body Systems	What Goes In Must Come Out Structures of the Cell
3.1.B.A5 Explain the role of water in cell metabolism.	Cell Work	Energy and Matter Conservation
3.1.B.A5 Explain how the cell membrane functions as a regulatory structure and protective barrier for the cell.	Cells and Body Systems	What Goes In Must Come Out
3.1.B.A5 Describe transport mechanisms across the plasma membrane.	Cells and Body Systems	What Goes In Must Come Out
6 Organization		
3.1.B.A6 Explain how cells differentiate in multicellular organisms.	Mitosis	Mitosis in Complex Organisms Gene Expression

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7 Molecular Basis of Life		
3.1.B.A7	Bi - I i i	The Building Blocks of Life
Analyze the importance of carbon to the structure of biological macromolecules.	Biochemistry	The Essential Sugar Molecule
G	DNA	Genes, Chromosomes, and DNA
		Biochemistry Unit Introduction
		The Building Blocks of Life
3.1.B.A7		The Essential Sugar Molecule
Compare and contrast the functions and structures of proteins, lipids, carbohydrates, and nucleic acids.	Biochemistry	 What All Biomolecules Have in Common
		Chemical Reactions
		Reliable Sources
		Biochemistry Apply
		Homeostasis Portfolio 1
3.1.B.A7	Homeostasis Portfolio	Homeostasis Portfolio 2
Explain the consequences of extreme changes in pH and temperature on cell proteins.		Homeostasis Portfolio 3
	Biochemistry	Chemical Reactions
B Unifying Themes	,	
		Parts of a Multicellular Organism
		Modeling Body Systems
3.1.B.A8	Cells and Body Systems	 Interactions Between Systems
CHANGE AND CONSTANCY		 Models Versus Actual Body Systems
		Cells and Body Systems Apply
Recognize that systems within cells and multicellular organisms interact to maintain homeostasis.		Homeostasis Portfolio 1
	Homeostasis Portfolio	 Homeostasis Portfolio 2
		Homeostasis Portfolio 3
3.1.B.A8		The Essential Sugar Molecule
PATTERNS	Biochemistry	 What All Biomolecules Have in Common
	Biochemistry	Chemical Reactions
Demonstrate the repeating patterns that occur in biological polymers.		 Matter Conservations Matters
3.1.B.A8		
SYSTEMS	Cell Work	 Energy and Matter Conservation
Describe how the unique properties of water support life.		
3.1.B. Genetics		
1 Heredity		
3.1.B.B1		DNA Unit Introduction
Explain that the information passed from parents to offspring is transmitted by means of genes which are code	d DNA	Genes, Chromosomes, and DNA
n DNA molecules.		Genes, emoniosomes, and but
3.1.B.B1	Mitosis	Complex Organisms
Explain the basic process of DNA replication.	Genetic Variation	Genetic Variation from Meiosis
		Genetic Variation Apply
3.1.B.B1 Describe the basic processes of transcription and translation.	DNA	How Cells Make Proteins
·		Genetic Variation from Meiosis
3.1.B.B1	Genetic Variation	Genetic Variation from Errors
Explain how crossing over, jumping genes, and deletion and duplication of genes results in genetic variation.		Genetic Variation Apply
		Genes, Chromosomes, and DNA
	DNA	Gene Expression

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3.1.B.B1 Explain how mutations can alter genetic information and the possible consequences on resultant cells.	Genetic Variation	 Genetic Variation from Errors Environmental Genetic Variation Genetic Mutations Produce Variation Genetic Variations Can Be Inherited Genetic Variation Apply
	Biological Evolution	Genetic Variation and Evolution
2 Reproduction 3.1.B.B2		
Describe how the process of meiosis results in the formation of haploid gametes and analyze the importance of	Genetic Variation	Genetic Variation from MeiosisGenetic Variations Can Be Inherited
meiosis in sexual reproduction.	Biological Evolution	 Genetic Variation and Evolution
3.1.B.B2 Compare and contrast the function of mitosis and meiosis.	Mitosis	 Mitosis Unit Introduction Complex Organisms Inputs and Outputs of Mitosis Mitosis in Complex Organisms
	Genetic Variation	Mitosis and Genetic Information Genetic Variation from Meiosis
3.1.B.B2 Illustrate that the sorting and recombining of genes in sexual reproduction results in a great variety of possible gene combinations in offspring.	Genetic Variation Biological Evolution	Genetic Variation from Meiosis Genetic Variation from Errors Genetic Mutations Produce Variation Genetic Variations Can Be Inherited Sources of New DNA Combinations Genetic Variation and Evolution
3 Molecular Basis of Life	Diological Evolution	- Genetic variation and Evolution
	DNA	Genes, Chromosomes, and DNA
3.1.B.B3 Describe the basic structure of DNA, including the role of hydrogen bonding.	Genetic Variation	Genetic Variation Unit Introduction Genetic Variation from Errors
3.1.B.B3 Explain how the process of DNA replication results in the transmission and conservation of the genetic code.	Genetic Variation	Genetic Variation from Meiosis
3.1.B.B3 Describe how transcription and translation result in gene expression.	DNA	Gene Expression Gene Expression and Gene Regulation
3.1.B.B3	DNA	Genes, Chromosomes, and DNA
Differentiate among the end products of replication, transcription, and translation.	Genetic Variation	Genetic Variation from Errors
3.1.B.B3 Cite evidence to support that the genetic code is universal.	DNA	Genes, Chromosomes, and DNA
4 Biotechnology		
3.1.B.B4 Explain how genetic technologies have impacted the fields of medicine, forensics, and agriculture.	DNA	Genetically Modified Organisms

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5 Unifying Themes		
3.1.8.85	DNA	Genetic Research
PATTERNS	Genetic Variation	Genetic Variation from Meiosis
3.1.B.B5	DALA	Genetic Research
PATTERNS	DNA	Genetic Factors in Inheritance
Distinguish among observed inheritance patterns caused by several types of genetic traits (dominant, recessive,	Genetic Variation	 Organizing Data About Expressed Traits
codominant, sex-linked, polygenic, incomplete dominance, multiple alleles).	Genetic variation	Analyzing Data About Traits
3.1.8.85	DNA	Genes, Chromosomes, and DNA
CONSTANCY AND CHANGE	Genetic Variation	Genetic Variation from Errors
	DNA	 Gene Expression and Gene Regulation
3.1.B.B5	DIVA	Genetic Factors in Inheritance
CONSTANCY AND CHANGE		Genetic Variation Unit Introduction
Explain how gene actions, patterns of heredity, and reproduction of cells and organisms account for the	Genetic Variation	Genetic Variation from Meiosis
continuity of life.	Genetic variation	 Genetic Variation from Errors
		 Genetic Variations Can Be Inherited
3.1.B.B5	DNA	Genetic Research
SCALE	DNA	Genetic Factors in Inheritance
Demonstrate how inherited characteristics can be observed at the molecular, cellular, and organism levels.	Genetic Variation	 Genetic Variations Can Be Inherited
bemoistrate now inherited characteristics can be observed at the molecular, centual, and organism levels.	Genetic variation	 Sources of New DNA Combinations
3.1.C. Evolution		
l Natural Selection		
3.1.B.C1	Biodiversity	Classification of Living Things
Describe species as reproductively distinct groups of organisms.		Biodiversity at Different Scales
	Biological Evolution	Environmental Change
3.1.B.C1	Biological Evolution	Evolution Versus Natural Selection
Analyze the role that geographic isolation can play in speciation.		Environmental Change
	Biodiversity	Biodiversity at Population Levels
	Genetic Variation	Genetic Mutations Produce Variation
	Cenetic variation	Organizing Data About Expressed Traits
	Natural Selection	Natural Selection Over Time
3.1.B.C1		 Heredity and Reproductive Success
Explain how evolution through natural selection can result in changes in biodiversity through the increase or		Natural Selection Apply
decrease of genetic diversity within a population.		How Resources Affect Evolution
		Genetic Variation and Evolution
	Biological Evolution	Differential Reproduction
		Modeling Evolution
		Evolution Versus Natural Selection
	Biodiversity	Classification of Living Things
3.1.B.C1	Natural Selection	Heredity and Reproductive Success
Describe how the degree of kinship between species can be inferred from the similarity in their DNA sequences.	Biological Evolution	Genetic Variation and Evolution
	Diological Evolution	Environmental Change
Adaptation		
3.1.B.C2	L	L
	Biological Evolution Evidence	Biological Evolution Evidence
, , . , . , . , . , . , . , . , . ,		
Describe the theory suggesting that life on Earth arose as a single, primitive prokaryote about 4 billion years ago and that for the next 2 billion years, a huge diversity of single-celled organisms evolved. 3.1.B.C2		

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3.1.B.C2 Describe how mutations in sex cells may be passed on to successive generations and that the resulting phenotype may help, harm, or have little or no effect on the offspring's success in its environment.	Genetic Variation	 Genetic Variation from Errors Environmental Genetic Variation Genetic Mutations Produce Variation Genetic Variations Can Be Inherited Organizing Data About Expressed Traits Analyzing Data About Traits Genetic Variation Apply
3.1.B.C2 Describe the relationship between environmental changes and changes in the gene pool of a population	Genetic Variation	 Analyzing Data About Traits Expressed Traits Genetic Variation Apply
	Natural Selection	Natural Selection Over Time Heredity and Reproductive Success High Altitude Living Evolution of the Influenza Virus Color and Natural Selection Natural Selection Apply
	Biological Evolution	How Resources Affect Evolution Environmental Change Environmental Change Effects of Change
3 Unifying Themes		
3.1.B.C3	Natural Selection Biological Evolution	Natural Selection Unit Introduction Natural Selection Over Time
CONSTANCY AND CHANGE		Differential Reproduction
Compare and contrast various theories of evolution.		Modeling Evolution
		Group Behavior
	Natural Selection	Competitive Advantage
		Transitional Fossils
		Genetic Variation and Evolution
3.1.B.C3	Biological Evolution	Modeling Evolution Effects of Change
CONSTANCY AND CHANGE		Biological Evolution Apply
Interpret data from fossil records, anatomy and physiology, and DNA studies relevant to the theory of evolution.		Evolution Evidence Unit Introduction
miles prot 2222 it 3.11 10001 10001 and aniationing and projections graph of the area of t		Biological Evolution Evidence
	Biological Evolution Evidence	Fossil Record and Embryology
		Evidence of Evolution
		Evolution Evidence Apply
3.1.B.C3	Biological Evolution	Differential Reproduction
PATTERNS		Biological Evolution Evidence
Discuss the implications of a universal genetic code for evolution.	Biological Evolution Evidence	Fossil Record and Embryology
		Evolution Evidence Apply

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Chemistry

Pennsylvania Academic Standards		Chemistry A/B	
Science: Chemistry	Unit Name	Lesson Name	
3.1. Biological Sciences			
3.1.A. Organisms and Cells			
1 Common Characteristics of Life			
Standard - 3.1.CA1		Incorporate and assign an activity to explain the	
Explain the chemistry of metabolism.	New Unit Suggested	chemistry of metabolism.	
2 Energy Flow		,	
Standard - 3.1.C.A2 Describe how changes in energy affect the rate of chemical reactions.	Reaction Rates	Reaction Rates Portfolio 1 Reaction Rates Portfolio 2 Incorporate and assign an activity in Reaction Rates Portfolio 2 to describe how changes in energy affect the rate of chemical reactions.	
4 Cell Cycles			
3.1.C.A4. Relate mitosis and meiosis at the molecular level	New Unit Suggested	Incorporate and assign an activity to relate mitosis and meiosis at the molecular level.	
7 Molecular Basis of Life			
3.1.C.A7. Illustrate the formation of carbohydrates, lipids, proteins, and nucleic acids.	New Unit Suggested	Incorporate and assign an activity to illustrate the formation of carbohydrates, lipids, proteins, and nucleic acids.	
3.1.B. Genetics			
3 Molecular Basis of Life			
3.1.C.B3. Describe the structure of the DNA and RNA molecules.	New Unit Suggested	Incorporate and assign an activity to describe the structure of the DNA and RNA molecules.	
5 Unifying Themes			
3.1.C.B5. PATTERNS Use models to demonstrate patterns in biomacromolecules.	New Unit Suggested	Incorporate and assign an activity to use models to demonstrate patterns in biomacromolecules.	
3.1.C. Evolution			
2 Adaptation			
3.1.C.C2. Use molecular models to demonstrate gene mutation and recombination at the molecular level.	New Unit Suggested	Incorporate and assign an activity to use molecular models to demonstrate gene mutation and recombination at the molecular level.	
3.2. Physical Sciences: Chemistry and Physics			
3.2.A. Chemistry			
1 Properties of Matter			
3.2.C.A1. Differentiate between physical properties and chemical properties.	Introduction to Chemistry	Physical vs. Chemical Change Mixtures	
3.2.C.A1. Differentiate between pure substances and mixtures; differentiate between heterogeneous and homogeneous mixtures.	Introduction to Chemistry	Physical vs. Chemical Change Mixtures	

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Pennsylvania Academic Standards	Chemistry A/B	
Science: Chemistry	Unit Name	Lesson Name
3.2.C.A1. Explain the relationship of an element's position on the periodic table to its atomic number, ionization energy, electro-negativity, atomic size, and classification of elements.	The Periodic Table	 Atomic Number Stable Ions Valence Electrons 1 Element Groupings Element Arrangement Reactivity
3.2.C.A1. Use electro-negativity to explain the difference between polar and nonpolar covalent bonds.	Simple Chemical Reactions	Bonding of Atoms in Reactions Incorporate and assign an activity to use electronegativity to explain the difference between polar and nonpolar covalent bonds.
2 Structure of Matter		
3.2.C.A2. Compare the electron configurations for the first twenty elements of the periodic table.	The Periodic Table	Atomic Number
	The Periodic Table	Element Groupings
3.2.C.A2. Relate the position of an element on the periodic table to its electron configuration and compare its reactivity to the reactivity of other elements in the table.	Simple Chemical Reactions	 Patterns of Properties Covalent and Ionic Bonding Valence Electrons Patterns of Attraction Chemical Equations Bonding of Atoms in Reactions Macroscopic Patterns of Reactivity
3.2.C.A2.	The Periodic Table	Bonds
Explain how atoms combine to form compounds through both ionic and covalent bonding.	Simple Chemical Reactions	Covalent and Ionic Bonding
3.2.C.A2. Predict chemical formulas based on the number of valence electrons.	Simple Chemical Reactions	Valence Electrons
3.2.C.A2. Draw Lewis dot structures for simple molecules and ionic compounds.	The Periodic Table	Bonds Ions
3.2.C.A2. Predict the chemical formulas for simple ionic and molecular compounds.	Simple Chemical Reactions	Composition and Formula
3.2.C.A2. Use the mole concept to determine number of particles and molar mass for elements and compounds.	Conservation of Mass	 Use the Mole Reactants vs. Products Calculating Mass Specific Mass Conversions Mass and Atoms
3.2.C.A2.	Simple Chemical Reactions	Composition and Formula
Determine percent compositions, empirical formulas, and molecular formulas.	Simple Chemical Reactions	- composition and continue
3 Matter & Energy		
Standard - 3.2.C.A3 Describe the three normal states of matter in terms of energy, particle motion, and phase transitions.	Introduction to Chemistry	Physical vs. Chemical Change
Standard - 3.2.C.A3 Identify the three main types of radioactive decay and compare their properties.	Nuclear Processes	Radioactive Decay Energy Alpha Particle Emission
Standard - 3.2.C.A3 Describe the process of radioactive decay by using nuclear equations and explain the concept of half-life for an isotope.	Nuclear Processes	Modeling Fission Radioactive Decay Energy

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Pennsylvania Academic Standards	Chemistry A/B	
Science: Chemistry	Unit Name	Lesson Name
Standard - 3.2.C.A3		Modeling Nuclear Processes
	Nuclear Processes	Modeling Fusion
Compare and contrast nuclear fission and nuclear fusion.		Modeling Fission
4 Reactions		
	Introduction to Chemistry	Physical vs. Chemical Change
		Patterns of Properties
		Covalent and Ionic Bonding
Standard - 3.2.C.A4	Simple Chemical Reactions	Valence Electrons
Predict how combinations of substances can result in physical and/or chemical changes.		Patterns of Attraction
		Chemical Equations
		Bonding of Atoms in Reactions
		Macroscopic Patterns of Reactivity
	Simple Chemical Reactions	Balanced Reactions
Standard - 3.2.C.A4	Simple effermed redectors	Balanced Chemical Equations
Interpret and apply the laws of conservation of mass, constant composition (definite proportions), and multiple	Conservation of Mass	Claiming Conservation
proportions.	Conservation of Mass	1 -
	Simula Chamical Basetians	Mathematical Representations
	Simple Chemical Reactions	Balanced Reactions Balanced Chemical Equations
Standard - 3.2.C.A4		Balanced Chemical Equations
Balance chemical equations by applying the laws of conservation of mass.	Conservation of Mass	Claiming Conservation
		Mathematical Representations
		Reactants vs. Products
Standard - 3.2.C.A4		
Classify chemical reactions as synthesis (combination), decomposition, single displacement (replacement),	Simple Chemical Reactions	Types of Reactions
double displacement, and combustion.		
Standard - 3.2.CA4	Conservation of Mass	Use the Mole
Use stoichiometry to predict quantitative relationships in a chemical reaction.		Calculating Mass
		Specific Mass Conversions
5 Unifying Themes		
Standard - 3.2.C.A5		
MODELS		Historical Understandings
Recognize discoveries from Dalton (atomic theory), Thomson (the electron), Rutherford (the nucleus), and Bohr	The Periodic Table	
(planetary model of atom), and understand how each discovery leads to modern theory.		
- Aparticus y model of atomy, and anacistana now each ascovery reads to model in alcory.		
See deed 20.045		
Standard - 3.2.C.A5		Atomic Composition
MODELS	Introduction to Chemistry	
Describe Rutherford's "gold foil" experiment that led to the discovery of the nuclear atom. Identify the major		
components (protons, neutrons, and electrons) of the nuclear atom and explain how they interact.		
	The Periodic Table	Historical Understandings
3.2.B. Physics		
2 Energy Storage and Transformations: Conservation Laws		New Learning Courses L
Standard - 3.2.C.B2 Explore the natural tendency for systems to move in a direction of disorder or randomness (entropy).	Energy in Chemical Reactions I	New Lesson Suggested
		Incorporate and assign an activity to explore the
		natural tendency for systems to move in a
		direction of disorder or randomness (entropy).

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Pennsylvania Academic Standards		Chemistry A/B	
Science: Chemistry	Unit Name	Lesson Name	
3 Heat/Heat Transfer			
Standard - 3.2.C.B3 Describe the law of conservation of energy.	Energy in Chemical Reactions I	New Lesson Suggested Incorporate and assign an activity to describe the law of conservation of energy.	
Standard - 3.2.C.B3 Explain the difference between an endothermic process and an exothermic process.	Energy in Chemical Reactions I	Total Bond Energy	

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Physics

Pennsylvania Academic Standards	Physics A/B	
Science: Physics	Unit Name	Lesson Name
.2: Physical Sciences: Chemistry and Physics		
.2.B: Physics		
Force & Motion of Particles and Rigid Bodies		
		Distance and Displacement
tandard - 3.2.P.B1	Kinematics	Speed and Velocity
offerentiate among translational motion, simple harmonic motion, and rotational motion in terms of position,		Acceleration
elocity, and acceleration.	Newton's Laws and Dynamics	Hooke's Law
and additional	Introduction	
	Circular Motion and Gravitation	Centripetal Force
tandard - 3.2.P.B1	Kinematics	Acceleration
lse force and mass to explain translational motion or simple harmonic motion of objects.	Newton's Laws and Dynamics	Hooke's Law
	Introduction	Second Law of Motion
tandard - 3.2.P.B1	Circular Motion and Gravitation	Rotation
elate torque and rotational inertia to explain rotational motion.		
Energy Storage and Transformations: Conservation Laws		
tandard - 3.2.P.B2	Energy and Work	•Forms of Energy
xplain the translation and simple harmonic motion of objects using conservation of energy and conservation of		Conservation of Mechanical Energy What is Momentum
nomentum.	Momentum	What is Momentum Conservation of Momentum
		• Conservation of Womentum
tandard - 3.2.P.B2	Circular Motion and Gravitation	Rotation
escribe the rotational motion of objects using the conservation of energy and conservation of angular momentum.	Circular Motion and Gravitation	Rotation
tandard - 3.2.P.B2		Satellites
xplain how gravitational, electrical, and magnetic forces and torques give rise to rotational motion.	Circular Motion and Gravitation	• Rotation
Heat/Heat Transfer		
tandard - 3.2.P.B3		
analyze the factors that influence convection, conduction, and radiation between objects or regions that are at	Thermodynamics	• First Law of Thermodynamics
ifferent temperatures.		Thermal Energy Transfer Portfolio 2
Electrical and Magnetic Energy		
	Electricity and Circuits	Coulomb's Law
tandard - 3.2.P.B4	Electricity and Circuits	Electric Current and Magnetic Field
xplain how stationary and moving particles result in electricity and magnetism.	Electricity and Magnetism	•Electric Current and Magnetic Field
	Liectricity and Magnetism	Investigating Currents and Fields
		Electric Fields
tandard - 3.2.P.B4	Electricity and Circuits	Ohmic Device Resistance
evelop qualitative and quantitative understanding of current, voltage, resistance, and the connections among them.		Series and Parallel Circuits
		Kirchhoff's Laws and Circuits
tandard - 3.2.P.B4	Electricity and Magnetism	Measurable Effects of Electromagnetism
xplain how electrical induction is applied in technology.	,	
Nature of Waves (Sound and Light Energy)		
tandard - 3.2.P.B5	Waves	Comparing Waves Characteristics of Waves
xplain how waves transfer energy without transferring matter.	1	Characteristics of Waves
candard - 3.2.P.B5 Explain how waves carry information from remote sources that can be detected and interpreted.	Waves	Wave Application Wave Partial a 1
		Waves Portfolio 1
		Waves Portfolio 2
		Waves Portfolio 3

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Pennsylvania Academic Standards	Physics A/B	
Science: Physics	Unit Name	Lesson Name
Standard - 3.2.P.B5	Waves	Characteristics of Waves
Describe the causes of wave frequency, speed, and wave length.		Frequency and Wavelength
6 Unifying Themes		
Standard - 3.2.P.B6	Newton's Laws and Dynamics Introduction ms to the	Force and Newton's First Law
PATTERNS SCALE MODELS CONSTANCY/CHANGE		Second Law of Motion
Use Newton's laws of motion and gravitation to describe and predict the motion of objects ranging from atoms to the		Newton's Third Law
galaxies.		Gravitational Attraction
galaxies.		Satellites

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APPENDIX A CURRICULUM

A.5 ALIGNMENT DOCUMENTS

d. SOCIAL STUDIES K - 12

This document is part of Appendix A: Curriculum.

It includes alignment documents for each Social Studies core class for students in Kindergarten through Grade 12.

- Social Studies K
- Social Studies 1
- Social Studies 2
- Social Studies 3
- Social Studies 4
- Social Studies 5
- Social Studies 6

- Social Studies 7
- Social Studies 8
- American Government
- US History
- World History
- Economics

Social Studies K

Pennsylvania Academic Standards	Soci	Social Studies K A/B	
Social Studies: Kindergarten	Unit Name	Lesson Number	
Civics and Government			
5.1. Principles and Documents of Government			
Rule of Law			
5.1.K.A.	My Family, My School	6	
Explain the purpose of rules.	iviy i airiiiy, iviy school		
Laws and Government			
5.1.K.B.	My Family, My School	6	
Explain the need for rules.	,,,,		
Principles and Ideals that Shape Government			
5.1.K.C.	My Family, My School	2, 4	
Define respect for self and others.			
December 11 to 1	Everybody Works	5	
Documents and Ideals that Shape Pennsylvania and US Government			
5.1.K.D.			
Intentionally Blank Individual Rights			
individual Rights			
5.1.K.E.	My Family, My School	3: Extend the lesson to demonstrate	
Demonstrate responsibilities in the classroom.	iviy Family, iviy School	responsibilities in the classroom.	
Symbols			
5.1.K.F.	a = 1	4 6 7 40	
Identify significant American holidays and their symbols.	Our Traditions	1, 6, 7, 10	
Civics Rights and Responsibilities			
5.2.K.A	Mu Family, Mu Sahaal	3: Extend the lesson to identify	
Identify responsibilities at school.	My Family, My School	responsibilities at school.	
Conflict and Resolution			
5.2.K.B.	My Family, My School	9	
Identify a problem and discuss possible solutions.	iviy i armiy, iviy school		
Leadership and Public Service			
5.2.K.C.		9: Extend the lesson to identify	
Identify classroom projects/activities that support leadership and service.	My Family, My School	classroom projects/activities that	
		support leadership and service.	
Competent and Responsible Citizens			
5.2.K.D.	My Family, My School	2	
Explain responsible classroom behavior.		5	
5.3. How Government Works	Everybody Works)	
Branches of Government			
5.3.K.A.			
Intentionally Blank			
Structure, Organization, and Operation of Governments			
Strattary Statement of Ortentille			

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Pennsylvania Academic Standards	Social Studies K A/B	
Social Studies: Kindergarten	Unit Name	Lesson Number
5.3.K.B.		_
Identify the role of adults in authority at home or in school.	My Family, My School	7
Government Services		
5.3.K.C.		_
Identify roles of fire fighters, police officers, and emergency workers.	My Family, My School	7
Leadership and Political Elections		
5.3.K.D.		
Intentionally Blank		
Elements of the Election Process		
5.3.K.E.		
Intentionally Blank		
Conflict and the Court System		
5.3.K.F.	My Family, My School	2
Identify and explain behaviors for responsible classroom citizens .	Everybody Works	5
Interest Groups	Everybody Works	3
5.3.K.G.		
Intentionally Blank		
Media Influences		
5.3.5.H.		
Intentionally Blank		
Taxes		
5.3.K.I.		
Intentionally Blank		
Systems of Government		
5.3.5.J.		
Intentionally Blank		
5.4. How International Relationships Function		
Countries and Conflicts		
5.4.K.A.	AA. Familia AA. Cabaal	4.0
Identify conflict in the classroom.	My Family, My School	4, 9
Tools of Foreign Policy		
5.4.K.B.	My Family My Sahaal	1.4
Identify how students can work together.	My Family, My School	1,4
International Organizations		
5.4.K.C.		
Intentionally Blank		
Media and its Influence		
5.4.K.D.		
Intentionally Blank		
How Foreign Policy is Influenced		

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Pennsylvania Academic Standards	Social Studies K A/B	
Social Studies: Kindergarten	Unit Name	Lesson Number
5.4.K.E.		
Intentionally Blank		
Economics		
6.1. Scarcity and Choice		
Scarcity and Choice		
6.1.K.A	Franchado Manto	
Identify how scarcity influences choice.	Everybody Works	8
Limited Resources		
6.1.K.B.	5b.adi. Manda	4.2
Identify family wants and needs.	Everybody Works	1, 2
Opportunity Costs		
6.1.K.C.	Franchade Manue	
Identify choices to meet needs.	Everybody Works	8
Incentives and Choice		
6.1.K.D.	Franchade Malanka	0
Identify a choice based on family interest.	Everybody Works	8
6.2. Markets and Economic Systems		
Goods and Services		
6.2.K.A.	Everybody Morks	8.0
Identify goods and consumers.	Everybody Works	8, 9
Market Competition		
6.2.K.B.		
Intentionally Blank		
Advertising and Media		
6.2.K.C.		8: Extend the lesson to identify
Identify advertisements that encourage us to buy things.	Everybody Works	advertisements that encourage us to
identify advertisements that encourage us to buy things.		buy things.
Price Determination		
6.2.K.D.	Everybody Works	3, 4, 8
Identify currency and how it is used.	Everybody works	3,4,0
Economic Health		
6.2.K.E.		
Intentionally Blank		
Private Economic Institutions		
6.2.K.F.		
Intentionally Blank		
Economic Systems		
6.2.K.G.		
Intentionally Blank		
6.3. Functions of Government		
Goods and Services		

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Pennsylvania Academic Standards	Social Studies K A/B	
Social Studies: Kindergarten	Unit Name	Lesson Number
6.3.K.A.		
Intentionally Blank		
Government Involvement in the Economy		
6.3.K.B.		
Intentionally Blank		
Taxation		
6.3.K.C.		
Intentionally Blank		
Government's Role in International Trade		
63.40		9: Extend the lesson to identify
6.3.K.D.	Everybody Works	products produced in the region or
Identify products produced in the region or state.		state.
6.4. Economic Interdependence		
Specialization		
6.4.K.A.	Everybody Morks	6
Identify the specialized role performed by each member of the family.	Everybody Works	6
Trade		
6.4.K.B.		
Intentionally Blank		
Multinational and Non-Governmental Organizations		
6.4.K.C.		
Intentionally Blank		
Factors Contributing to Economic Interdependence		
6.4.K.D.	Everybody Works	1.2.0
Identify individual wants and needs.	Everybody Works	1, 2, 8
6.5. Income, Profit, and Wealth		
Factors Influencing Wages		
6.5.K.A.		7: Extend the lesson to identify
Identify individuals who volunteer in the community.	My Family, My School	individuals who volunteer in the
identify individuals wito volunteer in the community.		community.
Labor Productivity		
6.5.K.B.		
Intentionally Blank		
Types of Businesses		
6.5.5KC.		9: Extend the lesson to identify
Identify goods and services provided by local businesses.	Everybody Works	goods and services provided by local
		businesses.
Profits and Losses		
6.5.K.D.		
Intentionally Blank		
Distribution of Wealth		

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Pennsylvania Academic Standards	Social Studies K A/B	
Social Studies: Kindergarten	Unit Name Lesson Number	
6.5.K.E.		
Intentionally Blank		
Entrepreneurship		
6.5.K.F.		
Intentionally Blank		
Costs and Benefits of Saving		
6.5.K.G.		
Intentionally Blank		
Interest Rates		
6.5.K.H.		
Intentionally Blank		
Geography		
7.1. Basic Geographic Literacy		
Geographic Tools		
7.1.K.A.	Where We Live	1, 2, 3, 4, 5, 6, 7, 8
Interpret a simple map of a known environment.	Our Traditions	9
Location of Places and Regions		
7.1.K.B.		
Describe the location of places in the home, school, and community to gain an understanding of relative	Where We Live	2, 3, 5
location.		
7.2. Physical Characteristics of Places and Regions		
Physical Characteristics		
7.2.K.A.		
Describe the characteristics of homes and businesses located in the community to gain an understanding of	Where We Live	2
physical features.		
Physical Processes		
7.2.K.B.	Where We Live	6, 7, 8
Identify land and water forms.	Our Traditions	9
•	More Where We Live	5
7.3. Human Characteristics of Places and Regions		
Human Characteristics		
7.3.K.A.	More Where We Live	1, 2, 3, 5
Describe how weather affects daily life.	INOTE WHERE WE LIVE	1, 2, 3, 3
7.4. Interactions Between People and the Environment		
Impact of Physical Systems on People		
7.4.K.A.	Where We Live	7
Identify local bodies of water and landforms to gain an understanding of their impact on the local community.	More Where We Live	3
Impact of People on Physical Systems		
7.4.K.B.		
Intentionally Blank		
History		
8.1. Historical Analysis and Skills Development		

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Pennsylvania Academic Standards Social Studies: Kindergarten	Social Studies K A/B	
	Unit Name	Lesson Number
Continuity and Change over Time		
8.1.K.A.	Life Then and New	2 4 5 6 12 12 14
Identify chronological sequence through days, weeks, months, and years (calendar time).	Life Then and Now	3, 4, 5, 6, 12, 13, 14
Fact/Opinion and Points of View		
8.1.K.B. With guidance and support, differentiate facts from opinions as related to an event.	Life Then and Now	7: Incorporate and assign an activity to, with guidance and support, differentiate facts from opinions as related to an event.
Research		
8.1.K.C.	Life Then and Now	7
Explain how to locate information in a source.		
8.2. Pennsylvania History		
Contributions from Individuals and Groups (PA)		7. Franchish a language to identify
8.2.K.A.	My Family, My School	7: Extend the lesson to identify
Identify people in authority.		people in authority (in PA).
Historical Documents, Artifacts, and Places (PA)		
8.2.K.B. Examine photographs of documents, artifacts, and paces unique to Pennsylvania.	Life Then and Now	8: Extend the lesson to examine photographs of documents, artifacts, and paces unique to Pennsylvania.
Impact of Continuity and Change on PA History		
8.2.K.C.		
Intentionally Blank		
Conflict and Cooperation (PA)		
8.2.K.D. Demonstrate an understanding of conflict.	My Family, My School	4: Extend the lesson to demonstrate an understanding of conflict.
8.3. United States History		
Contributions of Individuals and Groups (US History)		
8.3.K.A.	Our Traditions	7, 10
Identify American people related to national holidays.	Our Traditions	7, 10
Historical Documents and Artifacts (US History)		
8.3.K.B. Identify documents and artifacts important to the classroom community.	My Family, My School	10: Incorporate and assign an activity to identify documents and artifacts important to the classroom community.
Impact of Continuity and Change on US History		
8.3.K.C.	Life Then and Now	1, 3, 4, 6, 12, 13, 14
Demonstrate an understanding of time order.	Life Their and Now	1, 3, 4, 0, 12, 13, 14
Conflict and Cooperation (US)		
8.3.K.D.		
Intentionally Blank		

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Pennsylvania Academic Standards	Socia	Social Studies K A/B	
Social Studies: Kindergarten	Unit Name	Lesson Number	
8.4. World History			
Contributions of Individuals and Groups (World)			
8.4.K.A.	Our Traditions	1, 5, 6, 9, 10	
Explain how cultures celebrate.	Our Traditions	1, 5, 6, 9, 10	
Historical Documents, Artifacts, and Sites (World)			
8.4.K.B.			
Intentionally Blank			
Impact of Continuity and Change (World)			
8.4.K.C.	Our Traditions	5. 9	
Identify different celebrations of different cultures from around the world.	Our Traditions	3, 3	
Conflict and Cooperation (World)			
8.4.K.D.	My Family, My School	1, 4	
Demonstrate an understanding of conflict and cooperation.	iviy Fairilly, iviy School	1, 4	

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Social Studies 1

Pennsylvania Academic Standards	Social Studies 1 A/B	
Social Studies: Grade 1	Unit Name	Lesson Number
Civics and Government		
5.1. Principles and Documents of Government		
Rule of Law		
5.1.1.A.		_
Explain the purposes of rules in the classroom and school community.	My School, My Community	7
Laws and Government		
5.1.1.B.		_
Explain the importance of rules in the classroom.	My School, My Community	8
Principles and Ideals that Shape Government		
		8: Extend the lesson to define
5.1.1.C.	My School, My Community	equality and the need to treat
Define equality and the need to treat everyone equally.	,, cancel,, community	everyone equally.
Documents and Ideals that Shape Pennsylvania and US Government		everyone equally.
5.1.1.D.		
Explain the importance of written rules and laws.	My School, My Community	8
Individual Rights		
5.1.1.E.		
Describe students' responsibilities in the school and community.	My School, My Community	6
Symbols		
5.1.1.F.		
Identify national symbols.	My School, My Community	14, 15
Civics Rights and Responsibilities		
Elite ingris una responsisiones		6: Extend the lesson to identify and
5.2.1.A.		explain the importance of
Identify and explain the importance of responsibilities at school and at home.	My School, My Community	responsibilities at school and at
The critical and explain the importance of responsibilities at serious and at nome.		home.
Conflict and Resolution		nome.
5.2.1.B.		
Identify a problem and attempt to solve with adult or peer assistance.	My School, My Community	9
Leadership and Public Service		
Leadership and Public Service		3: Extend the lesson to identify
5.2.1.C.		school projects / activities that
Identify school projects / activities that support leadership and public service.	My School, My Community	support leadership and public
lidentilly school projects / activities that support readership and public service.		1
Competent and Responsible Citizens		service.
5.2.1.D.		
Explain responsible school behavior.	My School, My Community	6
5.3. How Government Works		
Branches of Government		
5.3.1.A.		
	My School, My Community	12, 13
Identify the roles of local government (fire, police, etc.).		
Structure, Organization, and Operation of Governments		

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Pennsylvania Academic Standards	Social Studies 1 A/B	
Social Studies: Grade 1	Unit Name	Lesson Number
5.3.1.B.	My School, My Community	12, 13
Identify the services of local government.	iviy school, wry community	12,13
Government Services		
5.3.1.C. Identify the value of fire fighters, police officers and emergency workers in the community.	My School, My Community	12: Extend the lesson to identify the value of fire fighters, police officers and emergency workers in the community.
Leadership and Political Elections		
5.3.1.D.	My School, My Community	11
Identify positions of authority in the classroom community.	iviy seriesi, iviy community	**
Elements of the Election Process		
5.3.1.E. Identify situations in the school or community when it is beneficial to have an elected official represent the people.	My School, My Community	12: Extend the lesson to identify situations in the school or community when it is beneficial to have an elected official represent the people.
Conflict and the Court System		
5.3.1.F. Identify and explain behaviors for responsible classroom citizens and possible consequences for inappropriate action.	My School, My Community	2, 3, 8: Extend lesson 8 to identify and explain possible consequences for inappropriate action.
Interest Groups		
5.3.K.G.		
Intentionally Blank		
Media Influences		
5.3.6.H. Explain how information /news is conveyed to the public.	Looking at Our World	10
Taxes		
5.3.1.I. Provide examples of taxation.	My School, My Community	13: Incorporate and assign an activity to provide examples of taxation.
Systems of Government		
5.3.6.J. Describe situations where voting eases conflict.	My School, My Community	9: Extend the lesson to describe situations where voting eases conflict.
5.4. How International Relationships Function		
Countries and Conflicts		
5.4.1.A. Identify ways to avoid conflict.	My School, My Community	9
Tools of Foreign Policy		
5.4.1.B. Describe how classrooms can work together.	My School, My Community	6: Incorporate and assign an activity to describe how classrooms can work together.

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Pennsylvania Academic Standards	Social Studies 1 A/B	
Social Studies: Grade 1	Unit Name	Lesson Number
International Organizations		
5.4.1.C.		
Intentionally Blank		
Media and its Influence		
5.4.1.D.	Looking at Our World	10
Identify different means of receiving information/news.	Looking at Our World	10
How Foreign Policy is Influenced		
5.4.1.E.		9: Extend the lesson to explain how a
	My School, My Community	classroom community reaches
Explain how a classroom community reaches compromise.		compromise.
Economics		·
6.1. Scarcity and Choice		
Scarcity and Choice		
6.1.1.A.	Work in the Community	5
Identify scarcity of resources within the family.	work in the community	٦
Limited Resources		
6.1.1.B.	Work in the Community	2: Extend the lesson to identify
Identify classroom wants and needs.	Work in the Community	classroom wants and needs.
Opportunity Costs		
6.1.1.C.	Mark in the Community	5, 6
Identify choice based on needs versus wants.	Work in the Community	5, 6
Incentives and Choice		
6.1.1.D.	Work in the Community	5, 6
Identify a choice based on classroom interest.	work in the Community	5, 6
6.2. Markets and Economic Systems		
Goods and Services		
6.2.1.A.	Work in the Community	7, 8, 9, 10, 11, 12
Identify goods, consumers, and producers.	work in the community	7, 8, 9, 10, 11, 12
Market Competition		
6.2.1.B.		
Intentionally Blank		
Advertising and Media		
		9: Incorporate and assign an activity
6.2.1.C.	Work in the Community	to identify advertisements that
Identify advertisements that encourage us to buy things based on want rather than need.	work in the community	encourage us to buy things based on
		want rather than need.
Price Determination		
6210		9: Incorporate and assign an activity
6.2.1.D.	Work in the Community	to explain the role of money in
Explain the role of money in determining price.		determining price.
Economic Health		<u> </u>

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Pennsylvania Academic Standards	Social Studies 1 A/B	
Social Studies: Grade 1	Unit Name	Lesson Number
6.2.1.E.		10: Incorporate and assign an activity
Identify the impact on a community when a business opens.	Work in the Community	to identify the impact on a
		community when a business opens.
Private Economic Institutions		
6.2.1.F.		
Intentionally Blank		
Economic Systems		8: Incorporate and assign an activity
6.2.1.G.	Work in the Community	to define an economic system at the
Define an economic system at the individual level.	Work in the community	individual level.
6.3. Functions of Government		individual level.
Goods and Services		
6.3.1.A.	Manh in the Committee	7 0 0 10 11 12
Identify examples of goods and services.	Work in the Community	7, 8, 9, 10, 11, 12
Government Involvement in the Economy		
6.3. 1.B.		
Intentionally Blank		
Taxation		
6.3.1.C.		
Intentionally Blank		
Government's Role in International Trade		
6.3.1.D.		7: Extend the lesson to identify
Identify products produced in the United States.	Work in the Community	products produced in the United
		States.
6.4. Economic Interdependence Specialization		
6.4.1.A.		
Identify specialization of work in the community.	Work in the Community	16
Trade		
6.4.1.B.		
Intentionally Blank		
Multinational and Non-Governmental Organizations		
6.4.1.C.		
Intentionally Blank		
Factors Contributing to Economic Interdependence		
		2: Extend the lesson to describe how
6.4.1.D.	Work in the Community	individuals differ in their wants and
Describe how individuals differ in their wants and needs and why people buy and sell things.	Work in the community	needs and why people buy and sell
		things.
6.5. Income, Profit, and Wealth		
Factors Influencing Wages		

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Pennsylvania Academic Standards	Social Studies 1 A/B	
Social Studies: Grade 1	Unit Name	Lesson Number
6.5.1.A.	Work in the Community	1 15 16
Identify individuals who work for wages in the community.	work in the Community	1, 15, 16
Labor Productivity		
6.5.1.B.	Mark in the Community	1 14 15 16
Identify different jobs and the purpose of each.	Work in the Community	1, 14, 15, 16
Types of Businesses		
6.5.1.C.	Mark in the Community	16
Identify businesses and their corresponding goods and service.	Work in the Community	16
Profits and Losses		
6.5.1.D.	Mark in the Community	14
Identify ways to earn money.	Work in the Community	14
Distribution of Wealth		
6.5.1.E.	Work in the Committee	15
Describe what tools (tangible assets) are necessary to complete a task.	Work in the Community	15
Entrepreneurship		
6.5.1.F.		0.44.40
Identify buyers and sellers (people) buy and sell things.	Work in the Community	9, 11, 12
Costs and Benefits of Saving		
6.5.1.G.	Wasters to the Community	42
Explain the need to save money.	Work in the Community	12
Interest Rates		
6.5.1.H.		
Intentionally Blank		
Geography		
7.1. Basic Geographic Literacy		
Geographic Tools		
7.1.1.A.	Finding Blace	2.7.0
Identify geographic tools.	Finding Places	2, 7, 8
Location of Places and Regions		
7.1.1.B.	La altina at Our Warld	2.2.5.6
Describe places in geographic reference in physical features.	Looking at Our World	2, 3, 5, 6
7.2. Physical Characteristics of Places and Regions		
Physical Characteristics		
7.2.1.A.	Looking at Com Marid	2.6
Identify physical characteristics in the community and region.	Looking at Our World	3, 6
Physical Processes		
7.2.1.B. Identify the basic physical processes that affect the physical characteristics of places.	Looking at Our World	3: Extend the lesson to identify the basic physical processes that affect the physical characteristics of places.
7.3. Human Characteristics of Places and Regions		
Human Characteristics		

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Pennsylvania Academic Standards	Social Studies 1 A/B	
Social Studies: Grade 1	Unit Name	Lesson Number
7.3.1.A. Identify the local climate and how it determines the way people live.	Looking at Our World	8: Extend the lesson to identify the local climate and how it determines the way people live.
7.4. Interactions Between People and the Environment		
Impact of Physical Systems on People		
7.4.1.A. Describe how lakes, rivers, and streams impact people.	Looking at Our World	Extend the lesson to describe how lakes, rivers, and streams impact people.
Impact of People on Physical Systems		
7.4.1.B. Intentionally Blank		
History		
8.1. Historical Analysis and Skills Development Continuity and Change over Time		
8.1.1.A. Demonstrate an understanding of chronology.	Our Past, Our Present	4, 7
Fact/Opinion and Points of View		
8.1.1.B. Identify a problem or dilemma surrounding an event.	Our Past, Our Present	10
Research		
8.1.1.C. Identify sources of historical information.	Our Past, Our Present	8, 9
8.2. Pennsylvania History		
Contributions from Individuals and Groups (PA)		
8.2.1.A. Identify groups of people who contribute to a community.	My School, My Community	Extend the lesson to identify groups of people who contribute to a community.
Historical Documents, Artifacts, and Places (PA)		
8.2.1.B. Identify symbols, slogans, or mottos that are representative of the state.	My School, My Community	New Lesson Suggested: Incorporate and assign an activity to identify symbols, slogans, or mottos that are representative of the state.
Impact of Continnity and Change on PA History		
8.2.1.C. Identify holiday and cultural celebrations in a community and why they are celebrated.	Traditions We Share	1, 7, 8, 9, 10, 13, 14, 15
Conflict and Cooperation (PA)		
8.2.1.D. Identify historical conflict in the community.	My School, My Community	9: Extend the lesson to identify historical conflict in the community.
8.3. United States History		
Contributions of Individuals and Groups (US History)		

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Pennsylvania Academic Standards	Social Studies 1 A/B	
Social Studies: Grade 1	Unit Name	Lesson Number
8.3.1.A.	Traditions We Share	11, 12
Identify Americans who played a significant role in American history.	Traditions we share	11, 12
Historical Documents and Artifacts (US History)		
8.3.1.B.	My School, My Community	14, 15
Identify American landmarks and their significance.	INITY SCHOOL, MY COMMITTEE	14, 15
Impact of Continuity and Change on US History		
8.3.1.C.	Our Past, Our Present	12, 13, 14, 15, 16
Identify examples of change.	Our Fast, Our Fresent	12, 13, 14, 15, 10
Conflict and Cooperation (US)		
8.3.1.D.	My School, My Community	0
Identify conflict and describe ways to cooperate with others by making smart choices.	lviy School, lviy Community]
8.4. World History		
Contributions of Individuals and Groups (World)		
8.4.1.A.	Traditions We Share	1, 7, 9, 10, 15
Explain why cultures celebrate.	Traditions we share	1, 7, 9, 10, 13
Historical Documents, Artifacts, and Sites (World)		
8.4.1.B.	Traditions We Share	13, 14
Explain the importance of world landmarks.	Traditions we share	13, 14
Impact of Continuity and Change (World)		
8.4.1.C.	Traditions We Share	1, 7, 8, 9, 10, 15
Identify holidays and ceremonies of selected world cultures	Traditions we strate	1, 7, 8, 9, 10, 15
Conflict and Cooperation (World)		
		9: Extend the lesson to describe
8.4.1.D.	My School, My Community	examples of conflict and cooperation
Describe examples of conflict and cooperation in the classroom community.	The school, why community	in the classroom community.

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Social Studies 2

Pennsylvania Academic Standards	Social Studies 2 A/B	
Social Studies: Grade 2	Unit Name	Lesson Number
Civics and Government		
5.1. Principles and Documents of Government		
Rule of Law		
5.1.2.A. Explain the purposes of rules and their consequences in the classroom and school community.	My Community, My Country	8, 9: Extend lesson 9 to explain their consequences in the classroom and school community.
Laws and Government 5.1.2.B.		
Explain the importance of rules in the classroom and school community. Principles and Ideals that Shape Government	My Community, My Country	8
5.1.2.C.		
Define fairness in working with others.	My Community, My Country	2
Documents and Ideals that Shape Pennsylvania and US Government		
5.1.2.D. Explain why school rules are written and posted.	My Community, My Country	8: Extend the lesson to explain why school rules are written and posted.
Individual Rights		
5.1.2.E. Describe citizens' responsibilities to the state of Pennsylvania and the nation.	My Community, My Country	3: Incorporate and assign an activity to describe citizens' responsibilities to the state of Pennsylvania and the nation.
Symbols		
5.1.2.F. Identify state symbols.	My Community, My Country	New Lesson Suggested: Incorporate and assign an activity to identify state symbols.
Civics Rights and Responsibilities		
5.2.2.A Identify and explain the importance of responsibilities at school, at home and the community.	My Community, My Country	2: Incorporate and assign an activity to identify and explain the importance of responsibilities at school, at home and the community.
Conflict and Resolution		
5.2.2.B. Identify a problem and probable solution.	My Community, My Country	7
Leadership and Public Service		
5.2.2.C. Identify community projects/activities that support leadership and public service.	My Community, My Country	7
Competent and Responsible Citizens		
5.2.2.D. Explain responsible community behavior.	My Community, My Country	2, 3
5.3. How Government Works		
Branches of Government		

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Pennsylvania Academic Standards	Social Studies 2 A/B	
Social Studies: Grade 2	Unit Name	Lesson Number
5.3.2.A.	Mr. Community, Mr. Country	10
Identify the role government plays in the community (education, transportation).	My Community, My Country	10
Structure, Organization, and Operation of Governments		
5.3.2.B.	My Community, My Country	12
Identify local government leaders.	My Community, My Country	12
Government Services		
5.3.2.C.	Working to Most Our Noods	10, 11
Identify other types of services provided by local government.	Working to Meet Our Needs	10, 11
Leadership and Political Elections		
5.3.2.D.	My Community My Country	12: Extend the lesson to identify
Identify positions of authority at school.	My Community, My Country	positions of authority at school.
Elements of the Election Process		
		13: Incorporate and assign an activity
5.3.2.E.		to describe situations in the state or
Describe situations in the state or nation when having an elected official represent the people is beneficial.	My Community, My Country	nation when having an elected
Describe situations in the state of nation when having an elected official represent the people is beneficial.		official represent the people is
		beneficial.
Conflict and the Court System		
5.3.2.F.		8, 9: Extend lesson 9 to identify and
Identify and explain behaviors for responsible school citizens and possible consequences for inappropriate	My Community, My Country	explain possible consequences for
action.		inappropriate action.
Interest Groups		
5.3.2.G.		
Intentionally Blank		
Media Influences		
5.3.7.H.	Our Nation Past and Present	6: Extend the lesson to identify
Identify different forms of media.	Our Nation Past and Present	different forms of media.
Taxes		
5.3.2.1.	My Community, My Country	11: Extend the lesson to define taxes.
Define taxes and why they are paid.	lwy Community, wy Country	11. Exterio tile lessoli to dellile taxes.
Systems of Government		
		6: Incorporate and assign an activity
5.3.7.J.	My Community, My Country	to identify the responsibilities of
Identify the responsibilities of voters after the vote.	liviy Community, Iviy Country	voters after the vote.
		voters after the vote.
5.4. How International Relationships Function		
Countries and Conflicts		
5.4.2.A.		12: Extend the lesson to explain
Explain examples of conflict in the community, state, and nation.	Our Nation Past and Present	examples of conflict in the
Explain examples of conflict in the confindinty, state, and nation.		community and state.
Tools of Foreign Policy		

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Pennsylvania Academic Standards	Social	Social Studies 2 A/B	
Social Studies: Grade 2	Unit Name	Lesson Number	
5.4.2.B. Identify ways that countries can work together. International Organizations	My Community, My Country	New Lesson Suggested: Incorporate and assign an activity to identify ways that countries can work together.	
international Organizations		New Lesson Suggested: Incorporate	
5.4.2.C. Explain why nations need to work together for peace.	My Community, My Country	and assign an activity to explain why nations need to work together for peace.	
Media and its Influence			
5.4.2.D. Identify the different types of media.	Our Nation Past and Present	6: Extend the lesson to identify the different types of media.	
How Foreign Policy is Influenced			
5.4.2.E. Explain how a community reaches compromise.	My Community, My Country	10: Extend the lesson to explain how a community reaches compromise.	
Economics			
6.1. Scarcity and Choice			
Scarcity and Choice			
6.1.2.A. Identify scarcity of resources within the school community.	Working to Meet Our Needs	Extend the lesson to identify scarcity of resources within the school community.	
Limited Resources			
6.1.2.B Identify community wants and needs.	Working to Meet Our Needs	1, 2, 3, 7	
Opportunity Costs			
6.1.2.C. Explain how choice has consequences.	Working to Meet Our Needs	6	
Incentives and Choice			
6.1.2.D. Identify a choice based on community interest.	Working to Meet Our Needs	5	
6.2. Markets and Economic Systems			
Goods and Services			
6.2.2.A. Identify goods, services, consumers, and producers in the local community.	Working to Meet Our Needs	1, 7, 8, 16	
Market Competition			
6.2.2.B. Differentiate between markets and competition	Working to Meet Our Needs	13: Incorporate and assign an activity to differentiate between markets and competition.	
Advertising and Media			
6.2.2.C. Define personal choice as related to buying an item.	Working to Meet Our Needs	1, 2, 3, 5, 6, 15	

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Pennsylvania Academic Standards	Social Studies 2 A/B	
Social Studies: Grade 2	Unit Name	Lesson Number
Price Determination		
6.2.2.D.		
Explain how demand for a consumer good impacts price.	Working to Meet Our Needs	12, 13
Economic Health		
6.2.2.E. Identify the impact on a community when a business closes.	Working to Meet Our Needs	16: Extend the lesson to identify the impact on a comuunity when a business closes.
Private Economic Institutions		
6.2.2.F.	Working to Most Our Noods	15
Describe the role of financial institutions as related to consumers' financial needs.	Working to Meet Our Needs	15
Economic Systems		
6.2.2.G. Identify examples of an economic system.	Working to Meet Our Needs	New Lesson Suggested: Incorporate and assign an activity to identify examples of an economic system.
6.3. Functions of Government		
Goods and Services		
6.3.2.A.	Working to Meet Our Needs	10, 11, 12, 16
Identify examples of goods and services provided by the private sector.	Working to Weet Our Needs	10, 11, 12, 10
Government Involvement in the Economy		
6.3. 2.B.		
Intentionally Blank		
Taxation		
6.3.2.C.	My Community, My Country	11: Extend the lesson to define taxes.
Define taxes and who pays them.	,	
Government's Role in International Trade		
6.3.2.D.	Working to Meet Our Needs	13
Identify products produced outside the United States.		
6.4. Economic Interdependence		
Specialization		44.5.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.
6.4.2.A. Identify local examples of specialization of work.	Working to Meet Our Needs	11: Extend the lesson to identify local examples of specialization of work.
Trade		
6.4.2.B.		
Intentionally Blank		
Multinational and Non-Governmental Organizations		
6.4.72C.	Working to Meet Our Needs	13
Identify products that come from many different countries.	Working to Weet Our Weeus	12
Factors Contributing to Economic Interdependence		
6.4.2.D.	Working to Meet Our Needs	2, 3, 6, 7, 12, 13, 14
Identify buyers and sellers and how their wants and needs are addressed.	Working to Weet our Needs	2, 3, 0, 7, 12, 13, 17
6.5. Income, Profit, and Wealth		

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Pennsylvania Academic Standards	Social	Social Studies 2 A/B	
Social Studies: Grade 2	Unit Name	Lesson Number	
Factors Influencing Wages			
6.5.2.A.	Marking to Mast Our Noods	7 10 11 12 14 15	
Explain how money earned by individuals is used to meet needs and wants.	Working to Meet Our Needs	7, 10, 11, 13, 14, 15	
Labor Productivity			
6.5.2.B. Different how different job skills impact earnings.	Working to Meet Our Needs	11: Extend the lesson to different how different job skills impact earnings.	
Types of Businesses			
6.5.2.C.	Working to Most Our Noods	16	
Describe the roles of local businesses.	Working to Meet Our Needs	16	
Profits and Losses			
6.5.2.D.	Working to Meet Our Needs	14, 15	
Describe money saving behaviors.	Working to Weet our Needs	14, 13	
Distribution of Wealth			
6.5.2.E. Describe the qualities that may be necessary to complete a task.	Working to Meet Our Needs	11: Extend the lesson to describe the qualities that may be necessary to complete a task.	
Entrepreneurship			
6.5.2.F. Explain the responsibilities of a business owner.	Working to Meet Our Needs	16: Incorporate and assign an activity to explain the responsibilities of a business owner.	
Costs and Benefits of Saving			
6.5.2.G.	Working to Meet Our Needs	14, 15	
Identify how saving for a purchase occurs over time.	Working to Weet our Needs	14, 13	
Interest Rates			
6.5.2.H.	Working to Meet Our Needs	15	
Describe why people save money in the local bank.	3		
Geography			
7.1. Basic Geographic Literacy Geographic Tools			
7.1.1A.			
Identify how basic geographic tools are used to organize information.	Finding Places	4, 5, 6, 7	
Location of Places and Regions			
		9, 10: Extend lesson 9 to describe	
7.1.71B. Describe regions in geographic reference using physical features.	Finding Places	regions in geographic reference using physical features.	
7.2. Physical Characteristics of Places and Regions		using physical reacures.	
Physical Characteristics			
7.2.2.A.			
Identify the physical characteristics of places.	Finding Places	9, 10	
Physical Processes			

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Pennsylvania Academic Standards	Social Studies 2 A/B	
Social Studies: Grade 2	Unit Name	Lesson Number
7.2.2.B. Identify the basic physical processes that affect the physical characteristics regions.	Finding Places	9, 10: Extend lesson 9 to identify the basic physical processes that affect the physical characteristics regions.
7.3. Human Characteristics of Places and Regions		
Human Characteristics		
7.3.2.A. Identify the effect of local geography on the residents of the region (food, clothing, industry, trade, types of shelter, etc.).	Our Nation Past and Present	8
7.4. Interactions Between People and the Environment		
Impact of Physical Systems on People		
7.4.2.A. Identify how environmental changes can impact people.	The World Around Us	4, 5
Impact of People on Physical Systems		
7.4.2.B. Intentionally Blank		
History		
8.1. Historical Analysis and Skills Development		
Continuity and Change over Time		
8.1.2.A. Read and interpret information on simple timelines.	Our Nation Past and Present	4
Fact/Opinion and Points of View		
8.1.2.B. Identify documents relating to an event.	Our Nation Past and Present	5, 6: Extend lesson 5 to identify documents relating to an event.
Research		
8.1.2.C. Apply sources of historical information.	Our Nation Past and Present	5, 6
8.2. Pennsylvania History		
Contributions from Individuals and Groups (PA)		
8.2.2.A. Identify historical figures in the local community.	Our Nation Past and Present	14
Historical Documents, Artifacts, and Places (PA)		
8.2.2.B. Identify important buildings, statutes, and monuments associated with the state's history.	My Community, My Country	New Lesson Suggested: Incorporate and assign an activity to identify important buildings, statutes, and monuments associated with the state's history.
Impact of Continnity and Change on PA History		

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Pennsylvania Academic Standards	Social	Studies 2 A/B
Social Studies: Grade 2	Unit Name	Lesson Number
8.2.2.C. Identify how commerce and industry and social organizations have changed over time in Pennsylvania.	Our Nation Past and Present	New Lesson Suggested: Incorporate and assign an activity to identify how commerce and industry and social organizations have changed over time in Pennsylvania.
Conflict and Cooperation (PA)		
8.2.2.D. Identify how conflict is impacted by ethnicity and race, working conditions, immigration, military conflict, and economics.	Our Nation Past and Present	New Lesson Suggested: Incorporate and assign an activity to identify how conflict is impacted by ethnicity and race, working conditions, immigration, military conflict, and economics.
8.3. United States History		
Contributions of Individuals and Groups (US History)		
8.3.2.A. Identify groups and organizations and their contributions to the United States.	Our Nation Past and Present	14: Extend the lesson to identify groups and organizations and their contributions to the United States.
Historical Documents and Artifacts (US History)		
8.3.2.B. Identify American artifacts and their importance in American history.	Our Nation Past and Present	11: Extend the lesson to identify American artifacts and their importance in American history.
Impact of Continuity and Change on US History		
8.3.2.C. Identify facts related to how different people describe the same event at different time periods.	Our Nation Past and Present	10: Incorporate and assign an activity to identify facts related to how different people describe the same event at different time periods.
Conflict and Cooperation (US)		
8.3.2.D. Demonstrate an understanding of how different groups describe the same event or situation.	Our Nation Past and Present	10: Incorporate and assign an activity to demonstrate an understanding of how different groups describe the same event or situation.
8.4. World History		
Contributions of Individuals and Groups (World)		
8.4.2.A. Explain why cultures have commemorations and remembrances.	Celebrating Our Traditions	5, 6, 7, 8, 14
Historical Documents, Artifacts, and Sites (World)		
8.4.2.B. Explain the significance of historical documents on world history.	Celebrating Our Traditions	New Lesson Suggested: Incorporate and assign an activity to explain the significance of historical documents on world history.

Pennsylvania Academic Standards	Socia	Social Studies 2 A/B	
Social Studies: Grade 2	Unit Name	Lesson Number	
Impact of Continuity and Change (World)			
8.4.2.C. Identify how cultures have commemorations and remembrances.	Celebrating Our Traditions	1, 2, 5, 6, 7, 8, 14	
Conflict and Cooperation (World)			
8.4.2.D. Identify global issues that require cooperation among nations.	Celebrating Our Traditions	New Lesson Suggested: Incorporate and assign an activity to identify global issues that require cooperation among nations.	

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Social Studies 3

Pennsylvania Academic Standards	9	Social Studies 3 A/B		
Social Studies: Grade 3	Unit Name	Lesson Name		
ivics and Government				
.1. Principles and Documents of Government				
ule of Law				
tandard - 5.1.3.A	US Government	Purpose of a Government		
xplain the purposes of rules, laws, and consequences.	03 Government	Rules and Laws		
aws and Government				
tandard - 5.1.3.B	Our Communities	Conflict in Communities		
xplain rules and laws for the classroom, school, and community.	US Government	Rules and Laws		
rinciples and Ideals that Shape Government				
	Our Communities	Constitution Day		
tandard - 5.1.3.C		Creating a New Nation		
Define the principles and ideals shaping local government.	Communities Build a Nation	 Communities Build a Nation Discussion Day 1 		
Liberty / Freedom		 Communities Build a Nation Discussion Day 2 		
Democracy				
Justice	Citizenship	Civic Virtues		
Equality		 Celebrating Communities Introduction 		
	Celebrating Communities	Culture Through the Arts		
		Cultural Celebrations		
Ocuments and Ideals that Shape Pennsylvania and US Government				
Standard - 5.1.3.D	Our Communities	Constitution Day		
dentify key ideas about government found in significant documents:	Communities Build a Nation	Creating a New Nation		
Declaration of Independence	116.6	Purpose of a Government		
United States Constitution	US Government	U.S. Government		
Bill of Rights	Citizenship	Citizenship Values		
ndividual Rights				
.1.3.E				
ntentionally Blank				
ymbols				
	Our Communities	Constitution Day		
		Celebrating Communities Introduction		
tandard - 5.1.3.F		Apply: US and State Symbols Activity		
dentify state symbols, national symbols, and national holidays.	Celebrating Communities	Culture Through the Arts		
		Cultural Celebrations		
ivics Rights and Responsibilities				
	US Government	Our Democracy		
	Our Environment	Our Environment Intro		
tandard - 5.2.3.A		Citizenship Virtues		
dentify personal rights and responsibilities.	Citizenship	Rights and Responsibilities		
,,		Taking Action for a Cause		
	Celebrating Communities	Celebrating Communities Introduction		
Conflict and Resolution				
	Our Communities	Conflict in Communities		

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Pennsylvania Academic Standards		Social Studies 3 A/B
Social Studies: Grade 3	Unit Name	Lesson Name
Standard - 5.2.3.B Identify the sources of conflict and disagreement and different ways conflict can be resolved.	Citizenship Celebrating Communities	Citizenship Virtues Rights and Responsibilities Working Together Taking Action for a Cause Apply: Citizenship Portfolio Day 2 Our Nation's Diversity
Leadership and Public Service	Celebrating communities	- Our Nation's Diversity
beauership and rushe service	US Government	Our Democracy
Standard - 5.2.3.C Identify leadership and public service opportunities in the school, community, state, and nation.	Citizenship	 Rights and Responsibilities Working Together Taking Action for Our Rights Taking Action for a Cause
Competent and Responsible Citizens		Taking Action for a cause
Standard - 5.2.3.D	Our Communities	Constitution DayEstablishing CommunitiesConflict in Communities
Describe how citizens participate in school and community activities.	Citizenship	 Taking Action for a Cause Citizenship Portfolio Day 1 Citizenship Portfolio Day 2
5.3. How Government Works		
Branches of Government Standard - 5.3.3.A Identify the roles of the three branches of government.	US Government	Levels of Government Legislative Branch of Government Judicial Branch of Government Executive Branch of Government
Structure, Organization, and Operation of Governments		
Standard - 5.3.3.B Identify how laws are made in the local community.	US Government	Levels of GovernmentOur DemocracyRules and Laws
Government Services		
Standard - 5.3.3.C Identify services performed by the local governments.	US Government	Levels of Government Apply: Local Government Activity
Londoushin and Balikinal Floridana	Economics	Local Economy
Leadership and Political Elections Standard - 5.3.3.D Identify positions of authority at school and community.	Citizenship	Civic Virtues Rights and Responsibilities
Elements of the Election Process Standard - 5.3.3.E Explain the purpose for elections.	US Government	Our Democracy
Conflict and the Court System Standard - 5.3.3.F Explain how an action may be just or unjust.	Citizenship	Taking Action for a Cause Citizenship Portfolio Day 1 Citizenship Portfolio Day 2
Interest Groups		

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Pennsylvania Academic Standards		Social Studies 3 A/B	
Social Studies: Grade 3	Unit Name	Lesson Name	
Standard - 5.3.3.G Identify individual interests and explain ways to influence others.	Citizenship	 Working Together Taking Action for a Cause Citizenship Portfolio Day 1 Citizenship Portfolio Day 2 	
Media Influences		Sittle Control of Cont	
5.3.3.H Intentionally Blank			
Taxes			
5.3.3.1			
Intentionally Blank			
Systems of Government			
5.3.3.J Intentionally Blank			
5.4. How International Relationships Function			
Countries and Conflicts			
5.4.3.A Intentionally Blank			
Tools of Foreign Policy			
5.4.3.B Intentionally Blank			
International Organizations			
5.4.3.C Intentionally Blank			
Media and its Influence			
5.4.3.D Intentionally Blank			
How Foreign Policy is Influenced			
5.4.3.E Intentionally Blank			
Economics			
6.1. Scarcity and Choice			
Scarcity and Choice			
Standard - 6.1.3.A Define scarcity and identify examples of resources, wants, and needs.	Economics	 Economics Introduction Meeting Wants and Needs Goods and Services Supply and Demand Spending and Saving Local Economy 	
Limited Resources		Formation Indian desired	
Standard - 6.1.3.B Identify needs and wants of people.	Economics	 Economics Introduction Meeting Wants and Needs Producers and Consumers Spending and Saving Local Economy 	
		Apply: Economics Portfolio Day 1	

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Pennsylvania Academic Standards Social Studies: Grade 3		Social Studies 3 A/B	
	Unit Name	Lesson Name	
Standard - 6.1.3.B	Our Environment	Using Earth's Resources	
Identify examples of natural, human, and capital resources.	Odi Elivilolillelit	- Osing Latti s Resources	
Opportunity Costs			
		Economics Introduction	
Standard - 6.1.3.C	Economics	Meeting Wants and Needs	
Explain what is given up when making a choice.		Producers and Consumers	
Incentives and Choice		Spending and Saving	
incentives and Choice		Economics Introduction	
		Meeting Wants and Needs	
Standard - 6.1.3.D	Economics	Producers and Consumers	
Identify reasons why people make a choice.	Leconomies	Spending and Saving	
		Apply: Economics Portfolio Day 2	
6.2. Markets and Economic Systems		Apply: Economics Fortiono Day 2	
Goods and Services			
		Economics Introduction	
Standard - 6.2.3.A		Goods and Services	
	Economics	 Producers and Consumers 	
Identify goods, services, consumers, and producers in the local community.		• Jobs	
		Local Economy	
Market Competition			
Standard - 6.2.3.B		Producers and Consumers	
Identify competing sellers in the local market.	Economics	• Jobs	
		Local Economy	
Advertising and Media Standard - 6.2.3.C			
	A Growing Nation	New Technologies	
Identify types of advertising designed to influence personal choice. Price Determination			
		Goods and Services	
Standard - 6.2.3.D	Economics	Supply and Demand	
Define price and how prices vary for products.		Spending and Saving	
Economic Health			
Standard - 6.2.3.E		Producers and Consumers	
Describe the effect of local businesses opening and closing.	Economics	Exchange	
Describe the effect of local businesses opening and closing.		• Jobs	
Private Economic Institutions			
Standard - 6.2.3.F	Francis	• Exchange	
Identify private economic institutions.	Economics	Spending and Saving	
Economic Systems		• Jobs	
accounts of a country		Exchange	
	Economics	• Jobs	
Standard - 6.2.3.G		Local Economy	
Identify characteristics of the local economy.		Growing Communities	
	A Growing Nation		

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Pennsylvania Academic Standards	Social Studies 3 A/B	
Social Studies: Grade 3	Unit Name	Lesson Name
6.3. Functions of Government		
Goods and Services		
Standard - 6.3.3.A	Economics	- The Clohal Feenemy
Identify goods and services provided by the government.	Economics	The Global Economy
Government Involvement in the Economy		
Standard - 6.3.3.B		Exchange
Identify examples of government involvement in local economic activities.	Economics	• Jobs
		Local Economy
Taxation		
Standard - 6.3.3.C	US Government	Levels of Government
Define tax and explain the relationship between taxation and government services.		
Government's Role in International Trade		
6.3.3.D		
Intentionally Blank		
6.4. Economic Interdependence		
Specialization Standard - 6.4.3.A		• Jobs
	Economics	
Identify local examples of specialization and division of labor. Trade		Local Economy
Irade		Exchange
Standard - 6.4.3.B	Economics	• Jobs
Identify examples of trade, imports, and exports in the local community.	Leconomics	Local Economy
Multinational and Non-Governmental Organizations		Local Economy
6.4.3.C		
Intentionally Blank		
Factors Contributing to Economic Interdependence		
6.4.3.D		
Intentionally Blank		
6.5. Income, Profit, and Wealth		
Factors Influencing Wages		
Standard - 6.5.3.A		Goods and Services
Explain why people work.	Economics	Spending and Saving
ехріані міту реоріе work.		• Jobs
Labor Productivity		
Standard - 6.5.3.B	Economics	• Jobs
Identify different occupations.	200110111103	Local Economy
Types of Businesses		
6.5.3.C		
Intentionally Blank		
Profits and Losses		
6.5.3.D		
Intentionally Blank		
Distribution of Wealth		
Standard - 6.5.3.E	Economics	Supply and Demand
Identify tangible and intangible assets.		

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Pennsylvania Academic Standards	Social Studies 3 A/B	
Social Studies: Grade 3	Unit Name	Lesson Name
Intrepreneurship		
.5.3.F		
ntentionally Blank		
Costs and Benefits of Saving		
tandard - 6.5.3.G		Supply and Demand
Define saving and explain why people save.	Economics	Spending and Saving
refine saving and explain why people save.		Apply: Economics Portfolio Day 2
nterest Rates		
tandard - 6.5.3.H	Economics	Spending and Saving
dentify the role of banks in our local community.	Economics	Local Economy
leography		
.1. Basic Geographic Literacy		
Geographic Tools		
Applied 7404	Our Communities	Locating Communities
standard - 7.1.3.A		World Geography
dentify how basic geographic tools are used to organize and interpret information about people, places and	Our Environment	Reading a Map
nvironment.		Different Types of Maps
		Interpreting Maps
ocation of Places and Regions		
		Environments in Communities
	Our Communities	Interacting with the Environment
tandard - 7.1.3.B		World Communities
dentify and locate places and regions as defined by physical and human features.		World Geography
	Our Environment	Reading a Map
		Different Types of Maps
.2. Physical Characteristics of Places and Regions		
hysical Characteristics		F-t-blishing Communities
	0 0	Establishing Communities
**************************************	Our Communities	Environments in Communities
tandard - 7.2.3.A		Interacting with the Environment
dentify the physical characteristics of places and regions.	05	Land and Water
	Our Environment	World Geography
husiaal Drassassas		Weather and Climates
Physical Processes tandard - 7.2.3.B		• Environments in Communities
	Our Communities	
dentify the basic physical processes that affect the physical characteristics of places and regions.		World Communities
.3. Human Characteristics of Places and Regions Juman Characteristics		
iunian Characteristics		• Establishing Communities
	Our Communities	Establishing Communities Environments in Communities
	our communities	1
	Our Environment	Interacting with the Environment Natural Hazards
	Our Environment	Natural Hazards Early Spanish Communities
Standard - 7.3.3.A	Communities Build a Nation	I 1 1 1
dentify the human characteristics of places and regions using the following criteria:		Early French Communities Fordy French Communities
• Population		Early English Communities

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Pennsylvania Academic Standards	Social Studies 3 A/B	
Social Studies: Grade 3	Unit Name	Lesson Name
• Culture		Exchange
• Settlement	Economics	Local Economy
• Economic activities		The Global Economy
Political activities	A Growing Nation	 Growing Communities
• Political activities	A Growing Nation	New Lands
		 Celebrating Communities Introduction
	Celebrating Communities	North American Cultures
	Celebrating Communities	People and Cultures
		Our Nation's Diversity
7.4. Interactions Between People and the Environment		
Impact of Physical Systems on People		Impact of People on Physical Systems
	Our Communities	 Environments in Communities
	our communities	 Interacting with the Environment
		Weather and Climates
Standard - 7.4.3.A	Our Environment	 Using Earth's Resources
dentify the effect of the physical systems on people within a community.		Natural Hazards
	Communities Build a Nation	Creating a New Nation
	A Growing Nation	 Growing Communities
	A Growing Nation	New Ways to Travel
Impact of People on Physical Systems	Impact of People on Physical Systems	Impact of People on Physical Systems
	Our Communities	• Environments in Communities
	our communices	World Communities
		Weather and Climates
Standard - 7.4.3.B	Our Environment	 Using Earth's Resources
Identify the effect of people on the physical systems within a community.		Natural Hazards
	Communities Build a Nation	Creating a New Nation
	A Growing Nation	 Growing Communities
		New Lands
History		
8.1. Historical Analysis and Skills Development		
Continuity and Change over Time		
	Communities Build a Nation	Early French Communities
Standard - 8.1.3.A Identify the difference between past, present and future using timelines and/or other graphic		Native American Cultures
representations.		New Ways to Communicate
	A Growing Nation	A Growing Nation Portfolio Day 1
		A Growing Nation Portfolio Day 2
Fact/Opinion and Points of View		- Constitution Day
	Our Communities	Constitution Day
		Establishing Communities
		• Forty Evolutors
		Early Explorers Creating a New Nation
	Communities Build a Nation	Creating a New Nation Communities Build a Nation Discussion Day 1
		Communities Build a Nation Discussion Day 1 Communities Build a Nation Discussion Day 2
Standard - 8.1.3.B		Communities Build a Nation Discussion Day 2
Identify fact onlinion multiple points of view and primary sources as related to historical events		

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Pennsylvania Academic Standards	Social Studies 3 A/B	
Social Studies: Grade 3	Unit Name	Lesson Name
dentity fact, opinion, multiple points of view, and primary sources as related to historical events.		Exchange
	Economics	Local Economy
		The Global Economy
		New Ways to Travel
	A Growing Nation	 A Growing Nation Portfolio Day 1
		A Growing Nation Portfolio Day 2
	Citizenship	Apply: Citizenship Portfolio Day 1
Research		
	Citizenship	Taking Action for Our Rights
		Apply: US and State Symbols Activity
standard - 8.1.3.C Conduct teacher guided inquiry on assigned topics using specified historical sources.	Celebrating Communities	 Celebrating Communities Portfolio 1
Reference RWSL Standard 1.8.3 Research)	celebrating communities	 Celebrating Communities Portfolio 2
		 Celebrating Communities Portfolio 3
	Communities Build a Nation	Early Spanish Communities
8.2. Pennsylvania History		
Contributions from Individuals and Groups (PA)		
	Communities Build a Nation	Creating a New Nation
	US Government	• U.S. Government
	Citizenship	Taking Action for Our Rights
		Taking Action for a Cause
Standard - 8.2.3.A	Economics	• Exchange
dentify the social, political, cultural, and economic contributions of individuals and groups from Pennsylvania.		Local Economy
	A Growing Nation	New Lands
		Celebrating Communities Introduction
	Celebrating Communities	North American Cultures
		People and Cultures
		Our Nation's Diversity
Historical Documents, Artifacts, and Places (PA)		
	A Growing Nation	Growing Communities Gonzálistá an Day
	Our Communities	Constitution Day
Standard - 8.2.3.B		• Creating a New Nation
dentify historical documents, artifacts, and places critical to Pennsylvania history.	Communities Build a Nation	Creating a New Nation Communities Build a Newige Discussion Day 1
		Communities Build a Nation Discussion Day 1
		Communities Build a Nation Discussion Day 2
Impact of Continnity and Change on PA History		
Standard - 8.2.3.C	Our Environment	World Geography
dentify and describe how continuity and change have impacted Pennsylvania history.	Communities Build a Nation	Creating a New Nation
Belief systems and religions	US Government	Our Democracy
Commerce and industry	Citizenship	Taking Action for a Cause
P Technology		Growing Communities
Politics and government	A Growing Nation	New Ways to Travel
• Physical and human geography	, c. ottinig reaction	New Technologies
Conflict and Cooperation (PA)		- New Technologies

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Pennsylvania Academic Standards	Social Studies 3 A/B	
Social Studies: Grade 3	Unit Name	Lesson Name
Standard - 8.2.3.D	Farancia	Local Economy
Identify and describe how conflict and cooperation among groups and organizations have impacted the history	Economics	The Global Economy
and development of Pennsylvania.		Growing Communities
• Ethnicity and race	A Growing Nation	New Lands
Working conditions		New Technologies
• Immigration	Celebrating Communities	 Celebrating Communities Introduction
Military conflict	Celebrating Communities	North American Cultures
8.3. United States History		
Contributions of Individuals and Groups (US History)		
		America's First People
	Communities Build a Nation	Early Explorers
		Early Spanish Communities
	Citizenship	Rights and Responsibilities
	orezensinp	Taking Action for a Cause
	Economics	Local Economy
Standard - 8.3.3.A	Lectionies	The Global Economy
dentify and describe the social, political, cultural, and economic contributions of individuals and groups in		Growing Communities
United States history.	A Growing Nation	New Lands
		New Technologies
		Celebrating Communities Introduction
		North American Cultures
	Celebrating Communities	People and Cultures
		Culture Through the Arts
		Cultural Celebrations
Historical Documents and Artifacts (US History)		
	Our Government	Constitution(s)
		- Creating a New Nation
	Communities Build a Nation	Creating a New Nation Communities Build a Nation Discussion Day 1
Standard - 9.3.3.B. Identify and describe historical desuments, artifacts, and places critical to United States	Communities Build a Nation	Communities Build a Nation Discussion Day 1 Communities Build a Nation Discussion Day 2
Standard - 8.3.3.B Identify and describe historical documents, artifacts, and places critical to United States history.		Communities Build a Nation Discussion Day 2
	A Growing Nation	Growing Communities
		New Ways to Travel
		• A Growing Nation Portfolio Day 1
		A Growing Nation Portfolio Day 1 A Growing Nation Portfolio Day 2
mpact of Continuity and Change on US History		A Glowing Nation Fortiono Day 2
Standard - 8.3.3.C	Communities Build a Nation	America's First People
dentify and describe how continuity and change have impacted U.S. history.	Economics	Local Economy
• Belief systems and religions		Growing Communities
• Commerce and industry	A Growing Nation	New Ways to Travel
• Technology		New Technologies
Conflict and Cooperation (US)		Test resimologies
,	Citizenship	Working Together
	Our Communities	Conflict in Communities
		1 Comment in Commentation

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Pennsylvania Academic Standards		Social Studies 3 A/B
Social Studies: Grade 3	Unit Name	Lesson Name
Standard - 8.3.3.D Identify and describe how conflict and cooperation among groups and organizations have	Communities Build a Nation	America's First People
impacted the history and development of the US.		Early Explorers
Ethnicity and race	Economics	• Exchange
Working conditions		Growing Communities
• Immigration	A Growing Nation	New Lands
Military conflict		New Technologies
• Economic stability		Celebrating Communities Introduction
,	Celebrating Communities	North American Cultures
		People and Cultures
A West Water.		Our Nation's Diversity
3.4. World History Contributions of Individuals and Groups (World)		
John Buttons of mulviduals and Groups (World)	Our Communities	World Communities
	our communities	America's First People
	Communities Build a Nation	Early English Communities
	Communicies band a Nation	Native American Cultures
		Celebrating Communities Introduction
Standard - 8.4.3.A Identify the elements of culture and ethnicity.		North American Cultures
rainala 5.4.5.7 lacinity the cicinents of calcule and estimates.		People and Cultures
	Celebrating Communities	Culture Through the Arts
		Cultural Celebrations
		Celebrating Communities Portfolio 1
		Celebrating Communities Portfolio 2
Historical Documents, Artifacts, and Sites (World)		Celebrating Communities Portfolio 2
installed botalielits, Altitutes, and sites (World)		People and Cultures
Standard - 8.4.3.B		Culture Through the Arts
dentify the importance of artifacts and sites to different cultures and ethnicities.	Celebrating Communities	Cultural Celebrations
,		Our Nation's Diversity
mpact of Continuity and Change (World)		
		North American Cultures
		People and Cultures
Chandrad 0.4.2.C		Culture Through the Arts
Standard - 8.4.3.C	Celebrating Communities	Cultural Celebrations
Compare and contrast selected world cultures.		Our Nation's Diversity
		Celebrating Communities Portfolio 1
		Celebrating Communities Portfolio 2
Conflict and Cooperation (World)		
	Our Communities	World Communities
	US Government	Governments Around the World
	Economics	Local Economy
Standard - 8.4.3.D	Economics	The Global Economy
dentify conflict and cooperation among groups and organizations from around the world.	A Growing Nation	New Lands
dentity connect and cooperation among groups and organizations from around the world.	A Growing Nation	New Technologies

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	Pennsylvania Academic Standards	Social Studies 3 A/B	
	Social Studies: Grade 3	Unit Name	Lesson Name
Γ			Celebrating Communities Introduction
l		Celebrating Communities	North American Cultures
			People and Cultures

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Social Studies 4

Pennsylvania Academic Standards	9	Social Studies 4 A/B
Social Studies: Grade 4	Unit Name	Lesson Name
Civics and Government		
5.1. Principles and Documents of Government		
Rule of Law		
Standard - 5.1.4.A	Our Government	Origin of Rules and Laws
Examine school rules and consequences.	our dovernment	o origin of Rules and Laws
Laws and Government		
Standard - 5.1.4.B	Our Government	Origin of Rules and Laws
Explain rules and laws for the classroom, school, community, and state.	Citizenship	Civic Virtues
· · · · · · · · · · · · · · · · · · ·		Civics in Communities
Principles and Ideals that Shape Government		
Standard - 5.1.4.C	United States Geography	Constitution Day
Explain the principles and ideals shaping local and state government.	Our Government	Principles of Our Government
• Liberty / Freedom	600	Levels of Government
Downwards and Islands that Change Downwards and HC Community	Citizenship	Civic Virtues
Documents and Ideals that Shape Pennsylvania and US Government Standard - 5.1.4.D		Constitution Day
Identify key ideas about government found in significant documents:	United States Geography	• Constitution Day • Constitution(s)
Declaration of Independence	Impacts Throughout History	Historical Artifacts
Individual Rights	Impacts Throughout History	- Historical Artifacts
5.1.4.E.		
Intentionally Blank		
Symbols		
541110013		Constitution Day
Standard - 5.1.4.F	United States Geography	United States Geography Introduction
Identify state symbols, national symbols, and national holidays.	Impacts Throughout History	Historical Artifacts
,	Regions: The West	Statehood
5.2. Rights and Responsibilities of Citizenship		
Civics Rights and Responsibilities		
Standard - 5.2.4.A		Civic Virtues
	Citizenship	Civics in Communities
Identify individual rights and needs and the rights and needs of others in the classroom, school, and community.		Community Issues Discussion Day 1
Conflict and Resolution		
Standard - 5.2.4.B	Citizenship	Dealing with Conflict
Describe the sources of conflict and disagreement and different ways conflict can be resolved.	C.C.E.C.I.SIIIP	Civics in Communities
Leadership and Public Service		
		Citizenship
		Civic Virtues
Standard - 5.2.4.C		Civics in Communities
Describe the roles of leadership and public service in school, community, state, and nation.	Citizenship	Participation in Government
2001.20 1.10 . 0.100 of federaling and passes out the mostledy community, state, and hadrin		Leadership and Careers
		Community Issues Discussion Day 1
		Community Issues Discussion Day 2
Competent and Responsible Citizens	06	Brigada at Own Co
	Our Government	Principles of Our Government

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Pennsylvania Academic Standards		Social Studies 4 A/B
Social Studies: Grade 4	Unit Name	Lesson Name
Standard - 5.2.4.D Describe how citizens participate in school and community activities.	Citizenship	 Citizenship Civic Virtues Civics in Communities Participation in Government Community Issues Discussion Day 1 Community Issues Discussion Day 2
5.3. How Government Works		
Branches of Government		
Standard - 5.3.4.A Identify the roles of the three branches of government.	Our Government Citizenship	Constitution(s) Branches of Government Participation in Government
Structure, Organization, and Operation of Governments	Citizensiip	- rardelpadori in Government
Standard - 5.3.4.B	Our Government	Levels of Government
Describe how the elected representative bodies function in making local and state laws.	Citizenship	Participation in Government
Government Services	Силенанр	- i arucipadon in Government
Standard - 5.3.4.C	Our Government	Levels of Government
Identify the services performed by local and state governments.	Citizenship	Participation in Government
Leadership and Political Elections	Citizensiip	- Farticipation in Government
·	Our Government	Levels of Government
Standard - 5.3.4.D	our Government	Participation in Government
Identify positions of authority at the local and state, and national level.	Citizenship	Leadership and Careers
Elements of the Election Process		Leadership and careers
Standard - 5.3.4.E		
Explain the voting process.	Impacts Throughout History	 Impact of Government and Industry
Conflict and the Court System		
•		Dealing with Conflict
Standard - 5.3.4.F	Citizenship	Civics in Communities
Explain how different perspectives can lead to conflict.	Impacts Throughout History	Impacts Throughout History Apply
Interest Groups	impacts miloughout History	Timpacts fill oughout history Apply
Standard - 5.3,4.G		Civic Virtues
	Citizenship	
Identify individual interests and explain ways to influence others. Media Influences		Participation in Government
5.3.4.H.		
Intentionally Blank		
Taxes 5.3.4.I.		
Intentionally Blank		
Systems of Government 5.3.4.J.		
Intentionally Blank E. 4. How International Relationships Function		
5.4. How International Relationships Function		
Countries and Conflicts		
5.4.4.A.		
Intentionally Blank		
Tools of Foreign Policy		

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Pennsylvania Academic Standards	9	Social Studies 4 A/B		
Social Studies: Grade 4	Unit Name	Lesson Name		
5.4.4.B.				
Intentionally Blank				
International Organizations				
5.4.4.C.				
Intentionally Blank				
Media and its Influence				
5.4.4.D.				
Intentionally Blank				
How Foreign Policy is Influenced				
5.4.4.E.				
Intentionally Blank				
Economics				
6.1. Scarcity and Choice				
Scarcity and Choice				
Standard - 6.1.4.A	Economics Basics	Individual Choices and Incentives		
Identify scarcity of resources in a local community.	Regions: The Northeast	Resources in the Northeast		
Limited Resources				
Standard - 6.1.4.B	Impacts Throughout History	Economic Groups		
Recognize the difference between basic needs and wants.	Impacts Throughout History	• Economic Groups		
Opportunity Costs				
Standard - 6.1.4.C	Impacts Throughout History	Economic Groups		
Illustrate what individuals or organizations give up when making a choice.	impacts infoughout history	• Economic Groups		
Incentives and Choice				
Standard - 6.1.4.D	Impacts Throughout History	Economic Groups		
Explain what influences the choices people make.	Economics Basics	Individual Choices and Incentives		
6.2. Markets and Economic Systems				
Goods and Services				
Standard - 6.2.4.A	Economics Basics	Factors of Production		
Explain how a product moves from production to consumption.	Economics basics	• Factors of Production		
Market Competition				
Standard - 6.2.4.B	Economics Basics	Economic Groups		
Determine how sellers compete with one another.	Economics basics	Individual Choices and Incentives		
Advertising and Media				
Standard - 6.2.4.C	Economics Basics	Individual Choices and Incentives		
Differentiate between monetary and non-monetary incentives in advertising.	Economics basics	Individual Choices and Incentives		
Price Determination				
Standard - 6.2.4.D	Economics Basics	Business Strategies		
Explain the role of buyers and sellers in determining prices of products.	Economics basics	- Dusiliess StrateRies		
Economic Health				
Standard - 6.2.4.E	Economics Basics	Business Strategies		
Explain why local businesses open and close.	Economics basics	- business strategies		
Private Economic Institutions				
Standard - 6.2.4.F	Economics Basics	Financial Institutions		
Describe the role of a private economic institution in the local community.	Economics basics	- Fillaticial Histitutions		
Economic Systems				

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• How? • For whom?	Unit Name Economics Basics	Lesson Name Factors of Production Business Strategies
Explain the three basic questions all economic systems must answer. • What to produce? • How? • For whom?		
What to produce? How? For whom?	Economics Basics	
What to produce? How? For whom?	Economics Basics	
• How? • For whom?		Rucinoce Stratogiae
• For whom?		- Dusiness of alegies
6.3. Functions of Government		
Goods and Services		
Standard - 6.3.4.A		5
Explain how government responds to social needs by providing public goods and services.	Economics Basics	Economics and the Government
Government Involvement in the Economy		
Standard - 6.3.4.B	Part a	. Farmania and the Community
Describe the impact of government involvement in state and national economic activities.	Economics Basics	Economics and the Government
Taxation		
Standard - 6.3.4 C	Paris	- Farmenda and the Course
Explore ways in which tax revenues are used in local community.	Economics Basics	Economics and the Government
Government's Role in International Trade		
6.3.4.D.		
Intentionally Blank		
6.4. Economic Interdependence		
Specialization		
Standard - 6.4.4.A		Budana Statesia
List and explain factors that promote specialization and division of labor.	Economics Basics	Business Strategies
Trade		
Standard - 6.4.4.B		Exchange
	Economics Basics	Economics and the Government
Explain why nations trade.	Regions: The West	The West Today
Multinational and Non-Governmental Organizations		
6.4.4.C.		
Intentionally Blank		
Factors Contributing to Economic Interdependence		
6.4.4.D.		
Intentionally Blank		
6.5. Income, Profit, and Wealth		
Factors Influencing Wages		
6.5.4.A.		
Intentionally Blank		
Labor Productivity		
Standard - 6.5.4.B	Citizenship	Leadership and Careers
dentify the requirements for different careers and occupations.	лигензир	- Leadership and Careers
Types of Businesses		
6.5.4.C.		
Intentionally Blank		
Profits and Losses		
6.5.4.D.		
Intentionally Blank		

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Pennsylvania Academic Standards		Social Studies 4 A/B
Social Studies: Grade 4	Unit Name	Lesson Name
Distribution of Wealth		
6.5.4.E.		
Intentionally Blank		
Entrepreneurship		
6.5.4.F.		
Intentionally Blank		
Costs and Benefits of Saving		
Standard - 6.5.4.G	Citizenship	Leadership and Careers
Compare different ways people save.	Economics Basics	 Individual Choices and Incentives
Interest Rates		
Standard - 6.5.4.H	Economics Basics	Financial Institutions
Examine the basic operation of the banking system.	Economics basics	- Financial institutions
Geography		
7.1. Basic Geographic Literacy		
Geographic Tools		
Standard - 7.1.4.A		 Land and Regions in the United States
Describe how common geographic tools are used to organize and interpret information about people, places,	United States Geography	 U.S. Geography Portfolio Day 1
and environment.		U.S. Geography Portfolio Day 2
and environment.	Regions: The West	Locating the West
Location of Places and Regions		
	Regions: The Northeast	Land of the Northeast
		 Land, Water, and Climate
	Regions: The Southeast	 Regions: The Southeast Portfolio Day 1
Describe and locate places and regions as defined by physical and human features.		 Regions: The Southeast Portfolio Day 2
bescribe and locate places and regions as defined by physical and number reactives.	Regions: The Midwest	In the Heart of the Nation
	Regions: The Southwest	Southwestern Land, Water, and Climate
	Regions: The West	A Varied Land
	Regions. The West	Comparison of Regions Apply
7.2. Physical Characteristics of Places and Regions		
Physical Characteristics		
	United States Geography	 Land and Regions in the United States
	Regions: The Northeast	Land of the Northeast
		 Land, Water, and Climate
	Regions: The Southeast	 Regions: The Southeast Porfolio Day 1
		 Regions: The Southeast Portfolio Day 2
Standard - 7.2.4.A	Regions: The Midwest	In the Heart of the Nation
Identify the physical characteristics of places and regions.		Southwestern Land, Water, and Climate
the physical characteristics of places and regions.		Regions: The Southwest Discussion Day 1
	Regions: The Southwest	• Regions: The Southwest Discussion Day 1
		Apply: Regions The Southwest Discussion Day 2
	Regions: The West	A Varied Land
	regions. The west	Comparison of Regions Apply
Physical Processes		
	United States Geography	 Land and Regions in the United States

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Pennsylvania Academic Standards	9	Social Studies 4 A/B
Social Studies: Grade 4	Unit Name	Lesson Name
	Regions: The Northeast	Land of the Northeast
tandard - 7.2.4.B	Regions: The Southeast	Land, Water, and Climate
dentify the basic physical processes that affect the physical characteristics of places and regions.	Regions: The Midwest	In the Heart of the Nation
	Regions: The Southwest	Land, Water, and Climate
	Regions: The West	A Varied Land
3. Human Characteristics of Places and Regions		
Human Characteristics		
tandard - 7.3.4.A		
dentify the human characteristics of places and regions using the following criteria:		
Population	l	Social Groups
Culture	Impacts Throughout History	Political Groups
Settlement		Cultural Groups
Economic activities		Economic Groups
Political activities		
7.4. Interactions Between People and the Environment		
mpact of Physical Systems on People		
		Regions and Resources
	United States Geography	Weather and Climate
tandard - 7.4.4.A	Commence of the control of the contr	People and the Land
dentify the effect of the physical systems on people within a community.		America's First Inhabitants
	United States History	America's First Explorers
mpact of People on Physical Systems		·
tandard - 7.4.4.B	United States Geography	People and the Land
dentify the effect of people on the physical systems within a community.	United States History	America's First Inhabitants
listory		
.1. Historical Analysis and Skills Development		
Continuity and Change over Time		
	United States Geography	Weather and Climate
tandard - 8.1.4.A dentify and describe how geography and climate have influenced continuity and change over time.	Regions: The Southeast	Regions: The Southeast Porfolio Day 1
,,	Regions: The Midwest	Resources and Farming
act/Opinion and Points of View		
	United States Geography	Constitution Day
		America's First Explorers
and ad 0140		A New Nation
tandard - 8.1.4.B	United States History	Movements for Rights
Distinguish between fact and opinion from multiple points of view, and primary sources as related to historical		US History Timeline Portfolio Day 1
events.		US History Timeline Portfolio Day 2
Imn	Impacts Throughout History	Diversity and Immigration
	Regions: The Southwest	Growth of the Southwest
Research	3	
		Regions: The Northeast Portfolio Day 1
	Regions: The Northeast	• Regions: The Northeast Portfolio Day 2

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Pennsylvania Academic Standards	S	iocial Studies 4 A/B
Social Studies: Grade 4	Unit Name	Lesson Name
Standard - 8.1.4.C Identify a specific research topic and develop questions relating to the research topic. (Reference RWSL Standard 1.8.3 Research)	Regions: The Southwest	 Regions: The Southwest Discussion Day 1 Regions: The Southwest Discussion Day 2 Apply: Regions The Southwest Discussion Day 2
	Regions: The Midwest	In the Heart of the Nation
8.2. Pennsylvania History		
Contributions from Individuals and Groups (PA)		
Standard - 8.2.4.A Differentiate common characteristics of the social, political, cultural, and economic groups from Pennsylvania.	Impacts Throughout History	 Social Groups Political Groups Cultural Groups Economic Groups Impact of Belief Systems and Religion
	Regions: The Midwest	 Regions: The Midwest Porfolio Day 1 Regions: The Midwest Portfolio Day 2
Historical Documents, Artifacts, and Places (PA)		
Standard - 8.2.4.B	Impacts Throughout History	 Impact of Belief Systems and Religion Impacts Throughout History Apply
Locate historical documents, artifacts, and places critical to Pennsylvania history.	Regions: The West	Statehood
Impact of Continuity and Change on PA History		
Standard - 8.2.4.C Explain how continuity and change in Pennsylvania history have influenced personal development and identity. • Belief systems and religions • Commerce and industry • Technology • Politics and government • Physical and human geography • Social organizations	Impacts Throughout History	 Social Groups Economic Groups Impact of Technology and Social Groups Impact of Government and Industry Impact of Physical and Human Geography Historical Impact on Pennsylvania Diversity and Immigration
Conflict and Cooperation (PA)		
Standard - 8.2.4.D Distinguish between conflict and cooperation among groups and organization that impacted the history and development of Pennsylvania Ethnicity and race Working conditions Immigration Military conflict Economic stability	Impacts Throughout History	 Economic Groups Diversity and Immigration Impact of Physical and Human Geography Historical Impact on Pennsylvania Impacts Throughout History Apply
8.3. United States History		
Contributions of Individuals and Groups (US History)		
Standard - 8.3.4.A Differentiate common characteristics of the social, political, cultural and economic groups in United States	Impacts Throughout History	Social Groups Political Groups Social Groups
history. Historical Documents and Artifacts (US History)		Economic Groups
Standard - 8.3.4.B	United States History Impacts Throughout History	A New Nation Historical Artifacts

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Pennsylvania Academic Standards		Social Studies 4 A/B
Social Studies: Grade 4	Unit Name	Lesson Name
Locate historical documents, artifacts, and places critical to United States history.	Regions: The Midwest	Settling in the Midwest
	Regions: The West	Statehood
Impact of Continuity and Change on US History		
Standard - 8.3.4.C	United States Geography	People and the Land
Explain how continuity and change in U.S. history have influenced personal development and identity.		Impacts Throughout History Introduction
Belief systems and religions		Social Groups
Commerce and industry		Political Groups
• Technology	Impacts Throughout History	Economic Groups
Politics and government		 Impact of Belief Systems and Religion
Physical and human geography		 Impact of Technology and Social Groups
Social organizations		Impact of Physical and Human Geography
	Regions: The Southeast	Southern Life
Conflict and Cooperation (US)		
Standard - 8.3.4.D	United States History	Becoming a World Power
Distinguish between conflict and cooperation among groups and organization that impacted the history and		Cultural Groups
development of the United States.	Impacts Throughout History	Economic Groups
Ethnicity and race		Diversity and Immigration
Working conditions	Regions: The Northeast	Growth and Change in the Northeast
8.4. World History		
Contributions of Individuals and Groups (World)		
		Social Groups
Standard - 8.4.4.A	Impacts Throughout History	Cultural Groups
Differentiate common characteristics of the social, political, cultural, and economic groups in world history.	,	Political Groups
		Economic Groups
Historical Documents, Artifacts, and Sites (World)		
Standard - 8.4.4.B	Impacts Throughout History	Historical Artifacts
Locate historical documents, artifacts, and sites, which are critical to World history.		
Impact of Continuity and Change (World) Standard - 8.4.4.C		
Explain how continuity and change in world history have influenced personal development and identity.		Social Groups
Belief systems and religions		Cultural Groups
,		Political Groups
Commerce and industry Tasks allow:	Impacts Throughout History	Economic Groups
• Technology		Impact of Belief Systems and Religion
Politics and government		Impact of Government and Industry
Physical and human geography		Impact of Physical and Human Geography
Social organizations Conflict and Cooperation (World)		, , ,
Connect and Cooperation (world)		Social Groups
 Standard - 8.4.4.D	Impacts Throughout History	Cultural Groups
Distinguish between conflict and cooperation among groups and organization that impacted development of the		Political Groups
		·
history of the world.		Economic Groups Impact of Physical and Human Goography
		Impact of Physical and Human Geography

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Social Studies 5

Pennsylvania Academic Standards	Social Studies 5 A/B	
Social Studies: Grade 5	Unit Name	Lesson Name
ivics and Government		
.1. Principles and Documents of Government		
tule of Law		
itandard - 5.1.5.A		Principles of Government
Understand the rule of law in protecting property rights, individual rights and the common good.	Building Our Nation	The Bill of Rights
		Constitutional Protections
aws and Government		Constitution the Constitution
Standard - 5.1.5.B	Building Our Notice	Creating the Constitution Disciples of Courses and Course and Courses and Course and Course and Course and Course and Course and Course and C
Describe the basic purposes of government in the classroom, school, community, state, and nation.	Building Our Nation	Principles of Government
National and Ideals that Change Covernment		Key Concepts of the Constitution
Principles and Ideals that Shape Government Standard - 5.1.5.C		a Declaring Indonesidence Day 1
Describe the principles and ideals shaping local state, and national government.	The American Revolution	Declaring Independence Day 1 Declaring Independence Day 3
Liberty / Freedom		Declaring Independence Day 2 Principles of Government
• Democracy		• The Bill of Rights
• Justice	Building Our Nation	
		Key Concepts of the Constitution Constitutional Protections
• Equality Documents and Ideals that Shape Pennsylvania and US Government		Constitutional Protections
		Building Our Nation Introduction
standard - 5.1.5.D		Creating the Constitution
nterpret key ideas about government found in significant documents:	Building Our Nation	• The Bill of Rights
• Declaration of Independence	Building Our Nation	Key Concepts of the Constitution
• United States Constitution		Constitutional Protections
• Bill of Rights		Declaring Independence Day 1
Pennsylvania Constitution	The American Revolution	Declaring Independence Day 1 Declaring Independence Day 2
Individual Rights		Declaring independence day 2
murrauur rigitis		Creating the Constitution
Standard - 5.1.5.E		Principles of Government
dentify the individual rights guaranteed by the PA Constitution and the U.S. Constitution.	Building Our Nation	The Bill of Rights
definity the marriadar rights guaranteed by the FA constitution and the old. constitution		Constitutional Protections
Symbols		- Constitutional Protections
Standard - 5.1.5.F		Key Concepts of the Constitution
Explain the significance of state symbols, national symbols, and national holidays.	Building Our Nation	National and State Symbols
5.2. Rights and Responsibilities of Citizenship		,
ivics Rights and Responsibilities		
	The American Revolution	Colonial Figures
Standard - 5.2.5.A		Principles of Government
		Creating the Constitution
dentify individual rights and needs and the rights and needs of others in the classroom, school, community, state, and nation.	y, Building Our Nation	Principles of Government
and nation.	The Bill of Rights	
		Constitutional Protections
Conflict and Resolution		
Standard - 5.2.5.B	Building Our Nation	Federalist vs. Anti-Federalists
dentify behaviors that promote cooperation among individuals.	Building Our Nation	Cooperation in the Community
defiary behaviors that promote cooperation among multitudes.	Good Times and Hardships	The Progressive Era

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Unit Name Building Our Nation	Lesson Name • Cooperation in the Community
	Cooperation in the Community
	Cooperation in the Community
	• Cooperation in the Community
	·
Building Our Nation	Cooperation in the Community
Bulluling Out Nation	Cooperation in the community
Building Our Nation	The Division of Power
Modern American History	Elections and Voting
Building Our Nation	Principles of Government
building our reactor	The Division of Power
Modern American History	Elections and Voting
Building Our Nation	Principles of Government
Modern American History	Political Party
,	Elections and Voting
Building Our Nation	Principles of Government
Modern American History	Political Party
	Elections and Voting
Building Over Nation	- Daile die lee of Concession and
Building Our Nation	Principles of Government Political Posts
Adadam Amariaan History	Political Party The time and Vation
Modern American History	• Elections and Voting
	Characteristics of Groups Day 2
Puilding Our Nation	a Fodoralist vs. Anti Fodoralists
Building Our Nation	Federalist vs. Anti-Federalists Pilgrims and Puritans in New England
Early Settlements	1 -
	The English Colonies in Virginia Colonists Rebel
The American Revolution	Unity Among the Colonies
Westward Expansion and Civil War	Life During the Civil War
	The Cold War Continues
INJUGITI AMERICAN PISTOLY	- The cold war continues
	Articles of Confederation
Building Our Nation	Women Fight for Freedom
Modern American History	Elections and Voting
modelli American History	Elections and Found
	Post War America
Modern American History	• Elections and Voting
Westward Expansion and Civil War	Worth Fighting For
•	Inequality for African Americans
	Modern American History Building Our Nation Early Settlements The American Revolution Westward Expansion and Civil War Modern American History Building Our Nation Westward Expansion and Civil War Modern American History Building Our Nation Modern American History

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Pennsylvania Academic Standards	Soci	al Studies 5 A/B
Social Studies: Grade 5	Unit Name	Lesson Name
identity various sources of mass media.		Post War America
	Modern American History	Civil Rights
	ĺ	Elections and Voting
Taxes		Ĭ
5.3.5.1		
Intentionally Blank		
Systems of Government		
5.3.5.J		
Intentionally Blank		
5.4. How International Relationships Function		
Countries and Conflicts		
5.4.5.A		
Intentionally Blank		
Tools of Foreign Policy		
Standard - 5.4.5.B	Building Our Nation	•The Division of Power
Describe the difference between nation and country.		
International Organizations		
5.4.5.C		
Intentionally Blank		
Media and its Influence		
5.4.5.D		
Intentionally Blank		
How Foreign Policy is Influenced		
5.4.5.E		
Intentionally Blank		
Economics		
6.1. Scarcity and Choice		
Scarcity and Choice		Mark Mark and Mark
Standard - 6.1.5.A	Economics	Meeting Needs and Wants College of Consequences
Explain how limited resources and unlimited wants cause scarcity.		Sellers and Consumers
Limited Resources		a Maratina Na ada and Manta
Standard - 6.1.5.B	Economics	Meeting Needs and Wants Consumate
Explain ways in which people meet their basic needs and wants. Standard - 6.1.5.B		Sellers and Consumers
	Economics	Meeting Needs and Wants
Demonstrate the use of human and capital resources in the production of a specific good.		
Opportunity Costs Standard - 6.1.5.C		Meeting Needs and Wants
	Economics	
Explain how people's choices have different economic consequences. Incentives and Choice		Sellers and Consumers
Standard - 6.1.5.D		Meeting Needs and Wants
Demonstrate how availability of resources affects choices.	Economics	Sellers and Consumers
6.2. Markets and Economic Systems		- Seliers and Consumers
Goods and Services		
Standard - 6.2.5.A		
	Economics	Goods, Services, and Assets
Describe how goods and services are distributed.		

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Pennsylvania Academic Standards		Social Studies 5 A/B	
Social Studies: Grade 5	Unit Name	Lesson Name	
Market Competition			
·		Meeting Needs and Wants	
Standard - 6.2.5.B	Economics	Sellers and Consumers	
Identify how pricing influences sellers and consumers.		Economic Institutions	
	Good Times and Hardships	The Roaring Twenties	
Advertising and Media			
Standard - 6.2.5.C	Economics	Sellers and Consumers	
Explain how advertising causes people to change their behavior in predictable ways.	Good Times and Hardships	The Roaring Twenties	
Price Determination			
Standard - 6.2.5.D	Formamica	Sellers and Consumers	
Identify factors that cause changes in price.	Economics	Economic Institutions	
Economic Health			
Standard - 6.2.5.E	Foonomies	- Fornamia Institutions	
Describe the impact of businesses opening and closing on Pennsylvania economy.	Economics	Economic Institutions	
Private Economic Institutions			
Standard - 6.2.5.F	Economics	• Economic Institutions	
Compare and contrast types of private economic institutions.	Economics	Economic Institutions	
Economic Systems			
Standard - 6.2.5.G			
Describe various economic systems.			
Traditional	Economics	Economic Systems	
Market			
Command			
6.3. Functions of Government			
Goods and Services			
Standard - 6.3.5.A	Formaries	a Farmannia Rasisian Makina	
Describe the cost and benefits of government economic programs.	Economics	Economic Decision Making	
Government Involvement in the Economy			
Standard - 6.3.5.B	Foonomies	a Feenamia Resision Making	
Describe factors that influence government's economic decision making.	Economics	Economic Decision Making	
Taxation			
Standard - 6.3.5.C	Economics	Economic Decision Making	
Explore ways in which tax revenue is collected.	Economics	• Economic Decision Making	
Government's Role in International Trade			
6.3.5.D			
Intentionally Blank			
6.4. Economic Interdependence			
Specialization			
Standard - 6.4.5.A	Feenomies	• Goods Services and Assets	
Explain why people specialize in the production of goods and services and divide labor.	Economics	Goods, Services, and Assets	
Trade			
Standard - 6.4.5.B	Early Exploration	The Columbian Exchange	
Explain the growth in international trade.	Economics	International Economics	
Multinational and Non-Governmental Organizations			

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Pennsylvania Academic Standards	Soci	al Studies 5 A/B
Social Studies: Grade 5	Unit Name	Lesson Name
Standard - 6.4.5.C	Face amics	International Economics
Explain how and where multinational corporations operate.	Economics	• International Economics
Factors Contributing to Economic Interdependence		
Standard - 6.4.5.D		
Identify various economic and non-economic organizations that contribute to interaction among individuals and	Economics	International Economics
nations.		
6.5. Income, Profit, and Wealth		
Factors Influencing Wages		
Standard - 6.5.5.A	Economics	International Economics
Describe how the availability of goods and services is made possible by the work of members of the society.	Economics	Goods, Services, and Assets
bestibe now the availability of goods and services is made possible by the work of members of the society.	Early Settlements	The French and Dutch in North America
Labor Productivity		
Standard - 6.5.5.B	Economics	Goods, Services, and Assets
Differentiate the requirements for different careers and occupations.	Lectionies	Goods, Services, and Assets
Types of Businesses		
6.5.5.C		
Intentionally Blank		
Profits and Losses		
Standard - 6.5.5.D	Economics	Sellers and Consumers
Explain how positive and negative incentives affect individual choices.	Lectionies	Sellers and consumers
Distribution of Wealth		
Standard - 6.5.5.E	Economics	Goods, Services, and Assets
Identify tangible and intangible assets.	Leonomics	Goods, Services, and Assets
Entrepreneurship		
Standard - 6.5.5.F	Economics	Entrepreneurship and Budgeting
Define entrepreneurship and its role in the local community.	Leonomics	- Entrepreneursing and budgeting
Costs and Benefits of Saving		
Standard - 6.5.5.G	Economics	Entrepreneurship and Budgeting
Identify the costs and benefits of saving.	Leonomics	- Entrepreneursing and Budgeting
Interest Rates		
Standard - 6.5.5.H	Economics	Entrepreneurship and Budgeting
Identify the costs and benefits of borrowing.		and beautiful an
Geography		
7.1. Basic Geographic Literacy		
Geographic Tools		
Standard - 7.1.5.A		Geography Day 1
Describe how common geographic tools are used to organize and interpret information about people, places,	Early Exploration	• Geography Day 2
and environment.		
Location of Places and Regions		
Standard - 7.1.5.B		Geography Day 1
Describe and locate places and regions as defined by physical and human features.	Early Exploration	Geography Day 2
		Ancient American Civilization
7.2. Physical Characteristics of Places and Regions		
Physical Characteristics		

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Pennsylvania Academic Standards	Soc	Social Studies 5 A/B	
Social Studies: Grade 5	Unit Name	Lesson Name	
tandard - 7.2.5.A		Geography Day 1	
	Early Exploration	Geography Day 2	
Describe the characteristics of places and regions.		Ancient American Civilization	
hysical Processes			
tandard - 7.2.5.B	Early Exploration	Geography Day 1	
dentify the basic physical processes that affect the physical characteristics of places and regions.	Larry Exploration	Geography Day 2	
.3. Human Characteristics of Places and Regions			
luman Characteristics			
tandard - 7.3.5.A	Early Exploration	Ancient American Civilization	
lentify the human characteristics of places and regions using the following criteria:	Early Exploration	Native American Culture	
Population	Early Settlements	The Spanish Colony in the Americas	
Culture	Cood Times and Handahina	A Voice from the Harlem Renaissance	
Settlement	Good Times and Hardships	The Roaring Twenties	
Economic activities	Madam Amadam Water	Characteristics of Groups Day 2	
Political activities	Modern American History	Looking Toward the Future Day 1 Apply	
.4. Interactions Between People and the Environment			
mpact of Physical Systems on People			
tandard - 7.4.5.A	Early Exploration	Adapting to Different Places	
escribe and explain the effects of the physical systems on people within regions.	Building Our Nation	Jefferson and the Louisiana Purchase	
mpact of People on Physical Systems			
tandard - 7.4.5.B	Early Exploration	Adapting to Different Places	
dentify the effect of people on the physical systems within a community.	Good Times and Hardships	The Great Depression	
History			
3.1. Historical Analysis and Skills Development			
Continuity and Change over Time			
standard - 8.1.5.A	Westward Expansion and Civil War	Inventions, Roads, and Railroads	
dentify and explain the influences of economic features on continuity and change over time.	Good Times and Hardships	The Roaring Twenties	
act/Opinion and Points of View	·		
· ·	Early Exploration	The Columbian Exchange	
		Tensions with Britain	
	The American Revolution	Colonists Rebel	
		On the Battlefield	
	Building Our Nation	Trouble for Native Americans	
		The Lone Star State	
tandard - 8.1.5.B		California Gold Rush	
lassify and analyze fact and opinion from multiple points of view, and secondary sources as related to histor	rical Westward Expansion and Civil War	Worth Fighting For	
vents.		Reconstruction Apply	
·······		Modern American History Introduction	
		A Dangerous World	
		The Cold War Continues	
	Modern American History	• Civil Rights	
		Civil Rights Civil Rights Leaders	
		From the Great Society to Reagan	
esearch		From the Great Society to Reagan	
COCAI VII	Early Settlements	Establishing a Colonial Government	
	Larry Settlements	- Latabilaning a Colonial Government	

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Pennsylvania Academic Standards	Soci	al Studies 5 A/B
Social Studies: Grade 5	Unit Name	Lesson Name
Standard - 8.1.5.C Locate primary and secondary sources for the research topic and summarize in writing the findings. (Reference	Building Our Nation	Articles of Confederation
		Building Our Nation Day 2 Apply
	Good Times and Hardships	Challenges and Opportunities Apply
	American Research Report Portfolio	Using Questions to Guide Research
		Choosing Sources Day 1
		Choosing Sources Day 2
		Making Sure Sources are Reliable
		Gathering Sources
RWSL Standard 1.8.5 Research)		Evaluating Sources
		Answering the Compelling Question
		Putting it Together
		Finalizing
		American Research Report Portfolio
		• World War II
	Modern American History	A Dangerous World
9.3 Danuarhania History		Civil Rights Leaders
8.2. Pennsylvania History Contributions from Individuals and Groups (PA)		
Standard - 8.2.5.A		
Compare and contrast common characteristics of the social, political, cultural, and economic groups from	Modern American History	Characteristics of Groups Day 1
Pennsylvania.	Industry	Characteristics of Groups Buy 1
Historical Documents, Artifacts, and Places (PA)		
Standard - 8.2.5.B		
Illustrate concepts and knowledge of historical documents, artifacts, and places critical to Pennsylvania history.	Building Our Nation	Creating the Constitution
Impact of Continuity and Change on PA History Standard - 8.2.5.C		
Differentiate how continuity and change in Pennsylvania history are formed and operate.		
Belief systems and religions		
Commerce and industry		
Technology	Modern American History	Characteristics of Groups Day 1
Politics and government		
Physical and human geography		
Social organizations		
Conflict and Cooperation (PA)		
Standard - 8.2.5.D		
Examine patterns of conflict and cooperation among groups and organizations that impacted the history and		
development of Pennsylvania for responding to individual and community needs.		
• Ethnicity and race	l.,	
Working conditions	Modern American History	Characteristics of Groups Day 1
• Immigration		
Military conflict		
• Economic stability		
8.3. United States History		
Contributions of Individuals and Groups (US History)		

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Pennsylvania Academic Standards	Social Studies 5 A/B	
Social Studies: Grade 5	Unit Name	Lesson Name
Standard - 8.3.5.A	Early Settlements	Pilgrims and Puritans in New England
	The American Revolution	The American Revolution Day 1 Apply
	The American Revolution	The American Revolution Day 2 Apply
	Westward Expansion and Civil War	Struggles Over Slavery
Compare and contrast common characteristics of the social, political, cultural and economic groups in United States history.	Good Times and Hardships	 A Voice from the Harlem Renaissance
States history.		 From the Great Society to Reagan
	Modern American History	 Characteristics of Groups Day 2
		Looking Toward the Future Day 1 Apply
Historical Documents and Artifacts (US History)		
	The American Revolution	Declaring Independence Day 1
Standard - 8.3.5.B Illustrate concepts and knowledge of historical documents, artifacts, and places critical to		Articles of Confederation
United States history.	Building Our Nation	Trouble for Native Americans
Officed States firstory.		African Americans Fight for Freedom
	Westward Expansion and Civil War	Life During the Civil War
Impact of Continuity and Change on US History		
Standard - 8.3.5.C	Early Settlements	The Spanish Colony in the Americas
Differentiate how continuity and change in U.S. history are formed and operate.	Building Our Nation	Washington Takes Office
Belief systems and religions	The American Revolution	Declaring Independence Day 1
Commerce and industry	The American Revolution	Declaring Independence Day 2
Technology	Westward Expansion and Civil War	Trails to the West
Politics and government	Westward Expansion and Civil Wai	Worth Fighting For
Physical and human geography	Good Times and Hardships	The Roaring Twenties
Conflict and Cooperation (US)		
Standard - 8.3.5.D	Early Settlements	Slavery in the Colonies Day 1
Examine patterns of conflict and cooperation among groups and organizations that impacted the history and	Westward Expansion and Civil War	Struggles Over Slavery
development of the United States.	Good Times and Hardships	The Progressive Era
Ethnicity and race	Good Times and Traidships	The Roaring Twenties
Working conditions		World War II
• Immigration	Modern American History	A Dangerous World
Military conflict		Civil Rights
8.4. World History		
Contributions of Individuals and Groups (World)		
	Early Exploration	Ancient American Civilization
		Adapting to Different Places
		Native American Culture
	Early Settlements	Establishing a Colonial Government
		Pilgrims and Puritans in New England
Standard - 8.4.5.A		Comparing the 13 Colonies
Compare and contrast common characteristics of the social, political, cultural, and economic groups in world nistory.		Slavery in the Colonies Day 1
	Good Times and Hardahina	A Voice from the Harlem Renaissance
	Good Times and Hardships	World War I
	Modern American History	World War II
		Theaters of War
		A Dangerous World
		The Cold War Continues

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Pennsylvania Academic Standards	Social Studies 5 A/B	
Social Studies: Grade 5	Unit Name	Lesson Name
Historical Documents, Artifacts, and Sites (World)		
Standard - 8.4.5.B Illustrate concepts and knowledge of historical documents, artifacts, and sites, which are critical to World history.	IGood Times and Hardships	World War I Comes to an End The New Deal
Impact of Continuity and Change (World)		
8.4.5.C Intentionally Blank		
Conflict and Cooperation (World)		
8.4.5.D		
Intentionally Blank		

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