

Suggested 5E Section:	SUITABLE for all E's	EXPLORATION	EXPLANATION	ELABORATION	ELABORATION	EVALUATION	VARIES	
	5E Lessons - TPT Links	Station Labs - TPT Links	INBs - TPT Links	Inquiry Labs - TPT Links also EXPLORATION	STEM Challenges - TPT Links	Escape Games - TPT Links	Game Boards - TPT Links	Bell Ringers - TPT Links
TEKS Standards (shared standards in parentheses)	<i>*includes Station Labs and INBs</i>	<i>*included in 5E Lessons</i>	<i>*included in 5E Lessons</i>	<i>*NOT included in 5E Lessons</i>	<i>*NOT included in 5E Lessons</i>	<i>*NOT included in 5E Lessons</i>	<i>*NOT included in 5E Lessons</i>	<i>*NOT included in 5E Lessons</i>
TEKS Science 6.5 A - know that an element is a pure substance represented by chemical symbols	Elements and Compounds (6.5B, 6.5C); Molecules	Elements and Compounds (6.5B, 6.5C) Molecules	Chemistry Interactive Notebook	Elements and Compounds Inquiry Lab	n/a	n/a	Chemistry	Full Year Resource
TEKS Science 6.5 B - recognize that a limited number of the many known elements comprise the largest portion of solid Earth, living matter, oceans, and the atmosphere	Elements and Compounds (6.5A, 6.5C)	Elements and Compounds (6.5A, 6.5C)	Chemistry Interactive Notebook	Elements of Earth Inquiry Lab	n/a	n/a	Chemistry	Physical Science Full Year Resource
TEKS Science 6.5 C (old 6.5D) - identify the formation of a new substance by using the evidence of a possible chemical change such as production of a gas, change in temperature, production of a precipitate, or color change.	Physical and Chemical Changes (6.5C, 7.6A, 8.5E)	Chemical Changes and Physical Changes (6.5C, 7.6A, 8.5E)	Chemistry Interactive Notebook	Chemical Changes Inquiry Lab	n/a	Physical and Chemical Changes Escape Room (6.5C, 7.6A)	Chemistry	Physical Science
TEKS Science 6.6 A - compare metals, nonmetals, and metalloids using physical properties such as luster, conductivity, or malleability	Metals, Nonmetals, and Metalloids (6.6A, 8.5C)	Metals, Nonmetals, and Metalloids (6.6A)	Chemistry Interactive Notebook	Metals Nonmetals and Metalloids Inquiry Lab	n/a	n/a	Chemistry	Physical Science
TEKS Science 6.6 B - calculate density to identify an unknown substance	Density of a Regular-Shaped Object Density of an Irregular-Shaped Object	Density of a Regular-Shaped Object Density of an Irregular-Shaped Object	Chemistry Interactive Notebook	Density Inquiry Lab	n/a	Density Escape Room	Earth Science	Physical Science Earth Science
TEKS Science 6.6 C - test the physical properties of minerals, including hardness, color, luster, and streak	Properties of Minerals	Properties of Minerals	Earth Science Interactive Notebook	Minerals Inquiry Lab	n/a	Properties of Minerals Escape Room	Earth Science	Earth Science
TEKS Science 6.7 A - research and discuss the advantages and disadvantages of using coal, oil, natural gas, nuclear power, biomass, wind, hydropower, geothermal, and solar resources	Nonrenewable Resources (6.7B); Renewable Resources (6.7B)	Nonrenewable Resources (6.7B); Renewable Resources (6.7B)	Energy Interactive Notebook	Advantages and Disadvantages of Energy Types Inquiry Lab	Project Electric (6.7 A and 6.7 B) Project Wind and Sky	Renewable and Nonrenewable Energy Escape	Energy	Physical Science
TEKS Science 6.8 A - compare and contrast potential and kinetic energy	Potential and Kinetic Energy	Kinetic and Potential Energy	Energy Interactive Notebook	Potential and Kinetic Energy Inquiry Lab	Project Thrills	Potential and Kinetic Energy Escape Room	Energy	Physical Science
TEKS Science 6.8 B - identify and describe the changes in position, direction, and speed of an object when acted upon by unbalanced forces	Balanced and Unbalanced Forces (8.6A, 8.8B) Net Force	Balanced and Unbalanced Forces (8.6A) Net Force	Force and Motion Interactive Notebook	Balanced and Unbalanced Forces Inquiry Lab	Project Inhabit Mars (6.8 B and 8.6 A) Project Skydive	Net Force Escape Room (6.8 B, 8.6 A) Speed, Velocity, Acceleration Escape Room (6.8 B, 6.8 C, 6.8 D, 8.6 B)	Force & Motion	Full-Year Resource Physical Science
TEKS Science 6.8 C - calculate average speed using distance and time measurements	Speed, Velocity, and Acceleration (6.8C, 8.6B)	Average Speed (6.8C, 8.6B)	Force and Motion Interactive Notebook	Average Speed Inquiry Lab	n/a	Speed, Velocity, Acceleration Escape Room (6.8 B, 6.8 C, 6.8 D, 8.6 B)	Force & Motion	n/a
TEKS Science 6.8 D - measure and graph changes in motion	Motion Graphing	Motion Graphing	Force and Motion Interactive Notebook	Graphing Motion Inquiry Lab	n/a	Graphing Escape Room Speed, Velocity, Acceleration Escape Room (6.8 B, 6.8 C, 6.8 D, 8.6 B)	Force & Motion	n/a
TEKS Science 6.8 E - investigate how inclined planes and pulleys can be used to change the amount of force to move an object.	Simple Machines	Simple Machines	Force and Motion Interactive Notebook	Inclined Planes Inquiry Lab	Project Move	n/a	Force & Motion	n/a
TEKS Science 6.9 A - investigate methods of thermal energy transfer, including conduction, convection, and radiation	Conduction, Convection, and Radiation (6.9B)	Conduction, Convection, and Radiation (6.9B)	Energy Interactive Notebook	Thermal Energy - Conduction, Convection, Radiation Inquiry Lab	n/a	Conduction Convection and Radiation Escape Room (6.9 A, 6.9 B)	Energy	Physical Science
TEKS Science 6.9 B - verify through investigations that thermal energy moves in a predictable pattern from warmer to cooler until all the substances attain the same temperature such as an ice cube melting	Conduction, Convection, and Radiation (6.9A)	Conduction, Convection, and Radiation (6.9A)	Energy Interactive Notebook	Heat Transfer Inquiry Lab	n/a	Conduction Convection and Radiation Escape Room (6.9 A, 6.9 B)	Energy	Physical Science
TEKS Science 6.9 C - demonstrate energy transformations such as energy in a flashlight battery changes from chemical energy to electrical energy to light energy.	Energy Transformations (7.7B)	Energy Transformations (7.7B)	Energy Interactive Notebook	Energy Transformations Inquiry Lab	n/a	Energy Transformations Escape Room	Energy	Physical Science
TEKS Science 6.10 A - build a model to illustrate the structural layers of Earth, including the inner core, outer core, mantle, crust, asthenosphere, and lithosphere	Earth's Layers	Earth's Layers	Earth Science Interactive Notebook	Earth's Layers Inquiry Lab	n/a	n/a	Earth Science	Earth Science
TEKS Science 6.10 B - classify rocks as metamorphic, igneous, or sedimentary by the processes of their formation	Rock Cycle	Rock Cycle	Earth Science Interactive Notebook	Rock Cycle Inquiry Lab	n/a	n/a	Earth Science	Full Year Resource

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TEKS Standards TEKS Science 6.10 C - identify the major tectonic plates, including Eurasian, African, IndoAustralian, Pacific, North American, and South American	Plate Tectonics (6.10C, 6.10D, 8.9B)	Plate Tectonics (6.10C, 6.10D, 8.9 B)	Earth Science Interactive Notebook	Major Tectonic Plates Inquiry Lab	n/a	n/a	Earth Science	Earth Science
TEKS Science 6.10 D - describe how plate tectonics causes major geological events such as ocean basins, earthquakes, volcanic eruptions, and mountain building	Plate Tectonics (6.10C, 6.10D, 8.9B)	Plate Tectonics (6.10C, 6.10D, 8.9 B)	Earth Science Interactive Notebook	Plate Tectonics Inquiry Lab	n/a	Plate Tectonics Escape Room (6.10 D, 8.9 A)	Earth Science	Earth Science
TEKS Science 6.11 A - describe the physical properties, locations, and movements of the Sun, planets, Galilean moons, meteors, asteroids, and comets	Asteroids, Meteors, and Comets Planets (6.11A, 6.11B)	Asteroids, Meteors, and Comets Inner Planets (6.11A, 6.11B) Outer Planets (6.11A, 6.11B)	Space Interactive Notebook	Orbits and the Movement of Planets Inquiry Lab	n/a	Planets and Solar System Escape Room	Space	n/a
TEKS Science 6.11 B - understand that gravity is the force that governs the motion of our solar system	Planets (6.11A, 6.11B)	Inner Planets (6.11A, 6.11B) Outer Planets (6.11A, 6.11B) Gravity	Space Interactive Notebook	Gravity in the Solar System Inquiry Lab		Rock Cycle Escape Room	Space	Full Year Resource
TEKS Science 6.11 C - describe the history and future of space exploration, including the types of equipment and transportation needed for space travel	n/a	n/a	Space Interactive Notebook	Space Exploration Inquiry Lab	Project Inhabit Mars Project Lunar Base	n/a	Space	n/a
TEKS Science 6.12 A - understand that all organisms are composed of one or more cells	Cell Theory (6.12 A, 7.12F)	Cell Theory (7.12F)	Structure of Life Interactive Notebook	Plant and Animal Cells Inquiry Lab	n/a	Prokaryotic and Eukaryotic Escape Room (6.12 A, 6.12 B, 6.12 D)	Body Systems & Cells	Full Year Resource
TEKS Science 6.12 B - recognize that the presence of a nucleus determines whether a cell is prokaryotic or eukaryotic	Prokaryotic and Eukaryotic Cells	Prokaryotic and Eukaryotic Cells	Structure of Life Interactive Notebook	Prokaryote Eukaryote Inquiry Lab	n/a	Prokaryotic and Eukaryotic Escape Room (6.12 A, 6.12 B, 6.12 D)	Body Systems & Cells	Life Science
TEKS Science 6.12 C - recognize that the broadest taxonomic classification of living organisms is divided into currently recognized Domains	Classification (6.12C, 6.12D)	Classification of Living Things (6.12C, 6.12D)	Ecosystems Interactive Notebook	Classification of Living Things Inquiry Lab	n/a	Classification of Living Things Escape Room (6.12C, 6.12D)	Ecosystems	n/a
TEKS Science 6.12 D - identify the basic characteristics of organisms, including prokaryotic or eukaryotic, unicellular or multicellular, autotrophic or heterotrophic, and mode of reproduction, that further classify them in the currently recognized Kingdoms	Characteristics of Organisms; Classification (6.12C, 6.12D); Sexual and Asexual Reproduction (6.12D, 7.14B)	Characteristics of Organisms; Classification of Living Things (6.12C, 6.12D) Sexual and Asexual Reproduction (6.12D, 7.14B)	Structure of Life Interactive Notebook	Characteristics of Organisms	n/a	Classification of Living Things Escape Room (6.12C, 6.12D) Prokaryotic and Eukaryotic Escape Room (6.12 A, 6.12 B, 6.12 D)	Body Systems & Cells	Life Science
TEKS Science 6.12 E - describe biotic and abiotic parts of an ecosystem in which organisms interact	Biotic and Abiotic Factors (6.12E, 8.11A)	Abiotic and Biotic Factors (6.12E, 8.11A)	Ecosystems Interactive Notebook	Biotic and Abiotic Factors in an Ecosystem Inquiry Lab	n/a	Biotic and Abiotic Factors Escape Room (6.12E, 8.11A)	Ecosystems	Full Year Resource Life Science
TEKS Science 6.12 F - diagram the levels of organization within an ecosystem, including organism, population, community, and ecosystem	Food Webs (6.12A, 7.5B, OLD 8.11A) Organism Relationships (6.12F, OLD 8.11A)	Food Webs (8.11A, 6.12F) Organism Relationships (8.11A)	Ecosystems Interactive Notebook	Organization in an Ecosystem Inquiry Lab	n/a	Food Webs and Energy in an Ecosystem Escape Room (7.5A, 7.5B)	Ecosystems	n/a
TEKS Science 7.5 A - recognize that radiant energy from the Sun is transformed into chemical energy through the process of photosynthesis	Photosynthesis	Photosynthesis	Chemistry Interactive Notebook	Photosynthesis Inquiry Lab	n/a	Photosynthesis Escape Room (7.5 A, 8.5 D)	Energy	Life Science
TEKS Science 7.5 B (old 7.5 C) - diagram the flow of energy through living systems, including food chains, food webs, and energy pyramids	Energy Pyramids Food Webs (6.12A, 7.5B, OLD 8.11A)	Energy Pyramids Food Webs (7.5 B, 6.12F, 8.11A)	Ecosystems Interactive Notebook	Food Chains, Food Webs, and Energy Pyramids Inquiry Lab	n/a	Food Webs and Energy in an Ecosystem Escape Room (7.5A, 7.5B)	Ecosystems	Life Science
TEKS Science 7.6 A (old 7.6 B) - distinguish between physical and chemical changes in matter	Physical and Chemical Changes (6.5C, 7.6A, 8.5E)	Chemical Changes and Physical Changes (6.5C, 7.6A, 8.5E)	Chemistry Interactive Notebook	Chemical and Physical Changes Inquiry Lab	n/a	Physical and Chemical Changes Escape Room (6.5C, 7.6A)	Chemistry	n/a
TEKS Science 7.7 A (old 7.7 B) - illustrate the transformation of energy within an organism such as the transfer from chemical energy to heat and thermal energy in digestion	Energy Transformations (6.9C)	Energy Transformations (6.9C)	Energy Interactive Notebook	Energy Transformations in an Organism Inquiry Lab	n/a	n/a	Energy	n/a
TEKS Science 7.7 B (old 7.7 A) - demonstrate and illustrate forces that affect motion in everyday life such as emergence of seedlings, turgor pressure, and geotropism.	Tropisms and Turgor Pressure (7.13A, 7.13B, OLD 7.7C)	Tropisms and Turgor Pressure (7.13A, 7.13B, OLD 7.7C)	Ecosystems Interactive Notebook	Turgor Pressure Inquiry Lab	n/a	n/a	Ecosystems	Life Science

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TEKS Standards (shared standards in parentheses)	<i>*includes Station Labs and INBs</i>	<i>*included in 5E Lessons</i>	<i>*included in 5E Lessons</i>	<i>*NOT included in 5E Lessons</i>	<i>*NOT included in 5E Lessons</i>	<i>*NOT included in 5E Lessons</i>	<i>*NOT included in 5E Lessons</i>	<i>*NOT included in 5E Lessons</i>
TEKS Science 7.8 A - predict and describe how different types of catastrophic events impact ecosystems such as floods, hurricanes, or tornadoes	Catastrophic Events	Catastrophic Events and Natural Disasters	Weather Interactive Notebook	Catastrophic Events Inquiry Lab	Project Hurricane Defender	n/a	Weather	n/a
TEKS Science 7.8 B - analyze the effects of weathering, erosion, and deposition on the environment in ecoregions of Texas	Weathering, Erosion, and Deposition	Weathering and Erosion	Earth Science Interactive Notebook	Weathering and Erosion Inquiry Lab	n/a	n/a	Earth Science	Earth Science (weathering)
TEKS Science 7.8 C - model the effects of human activity on groundwater and surface water in a watershed.	Watersheds and Human Impact	Watersheds and Human Impact	n/a	Watersheds Inquiry Lab	n/a	n/a	Ecosystems	Life Science
TEKS Science 7.9 A - analyze the characteristics of objects in our solar system that allow life to exist such as the proximity of the Sun, presence of water, and composition of the atmosphere	Atmosphere	Atmosphere	Weather Interactive Notebook	Life in the Solar System Inquiry Lab	n/a	n/a	Weather	n/a
TEKS Science 7.9 B - identify the accommodations, considering the characteristics of our solar system, that enabled manned space exploration	n/a	n/a	Space Interactive Notebook	Manned Space Flight Inquiry Lab	n/a	n/a	Space	n/a
TEKS Science 7.10 A - observe and describe how different environments, including microhabitats in schoolyards and biomes, support different varieties of organisms	Biomes	Biomes	Ecosystems Interactive Notebook	Microhabitats Inquiry Lab	n/a	Biomes Escape Room	Ecosystems	Full Year Resource
TEKS Science 7.10 B - describe how biodiversity contributes to the sustainability of an ecosystem	Biodiversity	Biodiversity	Ecosystems Interactive Notebook	Biodiversity Inquiry Lab	n/a	n/a	Ecosystems	Life Science
TEKS Science 7.10 C - observe, record, and describe the role of ecological succession such as in a microhabitat of a garden with weeds.	Ecological Succession	Succession	Ecosystems Interactive Notebook	Ecological Succession Inquiry Lab	n/a	n/a	Ecosystems	Life Science
TEKS Science 7.11 A - examine organisms or their structures such as insects or leaves and use dichotomous keys for identification	Dichotomous Keys	Dichotomous Keys	n/a	Dichotomous Key Inquiry Lab	n/a	Dichotomous Key Escape Room	Body Systems & Cells	Life Science
TEKS Science 7.11 B - explain variation within a population or species by comparing external features, behaviors, or physiology of organisms that enhance their survival such as migration, hibernation, or storage of food in a bulb	n/a	n/a	Ecosystems Interactive Notebook	Natural Selection Inquiry Lab	n/a	n/a	Ecosystems	Life Science
TEKS Science 7.11 C - identify some changes in genetic traits that have occurred over several generations through natural selection and selective breeding such as the Galapagos Medium Ground Finch (<i>Geospiza fortis</i>) or domestic animals	Natural Selection (7.11C, 7.12A)	Natural Selection and Selective Breeding (7.11C, 7.12A)	Ecosystems Interactive Notebook	Natural and Artificial Selection Inquiry Lab	n/a	n/a	Ecosystems	Full Year Resource
TEKS Science 7.12 A - investigate and explain how internal structures of organisms have adaptations that allow specific functions such as gills in fish, hollow bones in birds, or xylem in plants	Natural Selection (7.11C, 7.12A)	Natural Selection and Selective Breeding (7.11C, 7.12A)	Ecosystems Interactive Notebook	Internal Structures Inquiry Lab	n/a	n/a	Body Systems & Cells	Life Science
TEKS Science 7.12 B - identify the main functions of the systems of the human organism, including the circulatory, respiratory, skeletal, muscular, digestive, excretory, reproductive, integumentary, nervous, and endocrine systems	Circulatory System Digestive System Endocrine System Excretory System Muscular System Nervous System Respiratory System Skeletal System	Circulatory System Digestive System Endocrine System Excretory System Muscular System Nervous System Respiratory System Skeletal System	Structure of Life Interactive Notebook	Circulatory System Inquiry Lab Digestive System Inquiry Lab Endocrine System Inquiry Lab Excretory System Inquiry Lab Muscular System Inquiry Lab Nervous System Inquiry Lab Respiratory System Inquiry Lab Skeletal System Inquiry Lab	n/a	Body Systems Escape Room	Body Systems & Cells	Life Science
TEKS Science 7.12 C - recognize levels of organization in plants and animals, including cells, tissues, organs, organ systems, and organisms	n/a	n/a	Structure of Life Interactive Notebook	Cells to Systems Inquiry Lab	n/a	n/a	Body Systems & Cells	n/a
TEKS Science 7.12 D - differentiate between structure and function in plant and animal cell organelles, including cell membrane, cell wall, nucleus, cytoplasm, mitochondrion, chloroplast, and vacuole	Plant and Animal Cells (7.12D, 7.12E)	Cells (7.12D, 7.12E)	Structure of Life Interactive Notebook	Plant and Animal Cell Organelles Inquiry Lab	n/a	Cells Escape Room (covers 7.12D, 7.12E, 7.12F)	Body Systems & Cells	Life Science
TEKS Science 7.12 E - compare the functions of a cell to the functions of organisms such as waste removal	Plant and Animal Cells (7.12D, 7.12E)	Cells (7.12D, 7.12E)	Structure of Life Interactive Notebook	Cell Function Inquiry Lab	n/a	Cells Escape Room (covers 7.12D, 7.12E, 7.12F)	Body Systems & Cells	n/a

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TEKS Science 7.12 F - recognize that according to cell theory all organisms are composed of cells and cells carry on similar functions such as extracting energy from food to sustain life	Cell Theory (6.12A, 7.12F)	Cell Theory (6.12A, 7.12F)	Structure of Life Interactive Notebook	Cell Theory Inquiry Lab	n/a	Cells Escape Room (covers 7.12D, 7.12E, 7.12F)	Body Systems & Cells	Full Year Resource
TEKS Science 7.13 A - investigate how organisms respond to external stimuli found in the environment such as phototropism and fight or flight	Tropisms and Turgor Pressure (7.7C, 7.13A, 7.13B)	Tropisms and Turgor Pressure (7.7C, 7.13A, 7.13B)	Ecosystems Interactive Notebook	Homeostasis Inquiry Lab - External Responses	n/a	n/a	Ecosystems	Life Science
TEKS Science 7.13 B - describe and relate responses in organisms that may result from internal stimuli such as wilting in plants and fever or vomiting in animals that allow them to maintain balance	Tropisms and Turgor Pressure (7.7C, 7.13A, 7.13B)	Tropisms and Turgor Pressure (7.7C, 7.13A, 7.13B)	n/a	Internal Responses Homeostasis Inquiry Lab	n/a	n/a	Ecosystems	n/a
TEKS Science 7.13 C - identify that organic compounds contain carbon and other elements such as hydrogen, oxygen, phosphorus, nitrogen, or sulfur	Organic Compounds (7.6C, 7.13C, old 7.6A)	Organic Compounds (7.6C, 7.13C, old 7.6A)	Chemistry Interactive Notebook	Organic Compounds Inquiry Lab	n/a	n/a	Chemistry	Physical Science
TEKS Science 7.14 A - define heredity as the passage of genetic instructions from one generation to the next generation	Inherited Traits and DNA (7.14A, 7.14C)	Inherited Traits and Genetic Material (7.12 C, 7.14A, 7.14C)	Structure of Life Interactive Notebook	Heredity Inquiry Lab	n/a	n/a	Body Systems & Cells	Full Year Resource
TEKS Science 7.14 B - compare the results of uniform or diverse offspring from sexual reproduction or asexual reproduction	Sexual and Asexual Reproduction (6.12D, 7.14B)	Sexual and Asexual Reproduction (6.12D, 7.14B)	Structure of Life Interactive Notebook	Genetic Variation Inquiry Lab	n/a	n/a	Body Systems & Cells	Life Science
TEKS Science 7.14 C - recognize that inherited traits of individuals are governed in the genetic material found in the genes within chromosomes in the nucleus.	Genetics Inherited Traits and DNA (7.14A, 7.14C)	Genetics Inherited Traits and Genetic Material (7.12 C, 7.14A, 7.14C)	Structure of Life Interactive Notebook	Inherited Traits Inquiry Lab	n/a	n/a	Body Systems & Cells	Full Year Resource Life Science
TEKS Science 8.5 A - describe the structure of atoms, including the masses, electrical charges, and locations, of protons and neutrons in the nucleus and electrons in the electron cloud	Atoms (8.5A, 8.5B)	Atoms (8.5A, 8.5B)	Chemistry Interactive Notebook	Atomic Structure Inquiry Lab	n/a	Atoms Escape Game	Chemistry	Full Year Resource Physical Science
TEKS Science 8.5 B - identify that protons determine an element's identity and valence electrons determine its chemical properties, including reactivity	Atoms (8.5A, 8.5B)	Atoms (8.5A, 8.5B)	Chemistry Interactive Notebook	Reactivity Inquiry Lab	n/a	n/a	Chemistry	Full Year Resource Physical Science
TEKS Science 8.5 C - interpret the arrangement of the Periodic Table, including groups and periods, to explain how properties are used to classify element	Periodic Table and Reactivity Metals, Nonmetals, and Metalloids (6.6A, 8.5C)	Periodic Table Metals, Nonmetals, and Metalloids (6.6A, 8.5C)	Chemistry Interactive Notebook	Periodic Table Lab	n/a	Periodic Table Escape Room	Chemistry	Full Year Resource Physical Science
TEKS Science 8.5 D - recognize that chemical formulas are used to identify substances and determine the number of atoms of each element in chemical formulas containing subscripts	Counting Atoms and Elements	Counting Atoms and Elements	Chemistry Interactive Notebook	Law of Conservation of Mass Inquiry Lab	n/a	Counting Atoms and Balancing Equations Escape Game (8.5D, 8.5E) Photosynthesis Escape Room (7.5 A, 8.5D)	Chemistry	Physical Science
TEKS Science 8.5 E - investigate how evidence of chemical reactions indicate that new substances with different properties are formed	Physical and Chemical Changes (6.5C, 7.6A, 8.5E)	Chemical Changes and Physical Changes (6.5C, 7.6A, 8.5E)	Chemistry Interactive Notebook	Evidence of a Chemical Change	n/a	Counting Atoms and Balancing Equations Escape Game (8.5D, 8.5E)	Chemistry	Physical Science
TEKS Science 8.6 A - demonstrate and calculate how unbalanced forces change the speed or direction of an object's motion	Balanced and Unbalanced Forces (8.6A, 6.8B)	Balanced and Unbalanced Forces (8.6A, 6.8B)	Force and Motion Interactive Notebook	Net Force Inquiry Lab	Project Inhabit Mars (6.8 B and 8.6 A)	Net Force Escape Room (6.8 B, 8.6 A)	Force & Motion	Full Year Resource Physical Science
TEKS Science 8.6 B - differentiate between speed, velocity, and acceleration	Speed, Velocity, and Acceleration (6.8C, 8.6B)	Average Speed (6.8C, 8.6B)	Force and Motion Interactive Notebook	Average Speed Inquiry Lab	n/a	Speed, Velocity, Acceleration Escape Room (6.8 B, 6.8 C, 6.8 D, 8.6 B)	Force & Motion	Full Year Resource Physical Science
TEKS Science 8.6 C - investigate and describe applications of Newton's law of inertia, law of force and acceleration, and law of action-reaction such as in vehicle restraints, sports activities, amusement park rides, Earth's tectonic activities, and rocket launches	Newton's Laws	Newton's Laws- 1st Law Newton's Laws- 2nd Law Newton's Laws- 3rd Law	Force and Motion Interactive Notebook	Newton's Laws - First Law Inquiry Lab Newton's Newton's Laws - Second Law Inquiry Lab Newton's Laws - Third Law Inquiry Lab	Project Rocket Launch	Newton's Laws Escape Room	Force & Motion	Full Year Resource Physical Science

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TEKS Science 8.7 A - model and illustrate how the tilted Earth rotates on its axis, causing day and night, and revolves around the Sun causing changes in seasons	Seasons	Seasons and Tides (8.7A, C)	Space Interactive Notebook	Seasons - Rotation and Revolution Inquiry Lab	n/a	Seasons, Day and Night Escape Room	Space	Earth Science (revolution)
TEKS Science 8.7 B - demonstrate and predict the sequence of events in the lunar cycle	Lunar Cycle	Lunar Cycle	Space Interactive Notebook	Lunar Cycle Inquiry Lab	n/a	Lunar Cycle Escape Room	Space	Full Year Resource
TEKS Science 8.7 C - relate the position of the Moon and Sun to their effect on ocean tides	Tides	Seasons and Tides (8.7A, C)	Space Interactive Notebook	Tides Inquiry Lab	n/a		Space	Earth Science
TEKS Science 8.8 A - describe components of the universe, including stars, nebulae, and galaxies, and use models such as the Hertzsprung-Russell diagram for classification	H-R Diagram Life Cycle of a Star (8.8A, 8.8B) Galaxies and Light Years (8.8A, 8.8B, OLD 8.8D)	H-R Diagram Life Cycle of a Star (8.8A, 8.8B) Galaxies (8.8A, 8.8B, OLD 8.8D)	Space Interactive Notebook	H-R Diagram Inquiry Lab	n/a	HR Diagram Escape Room	Space	Earth Science
TEKS Science 8.8 B - recognize that the Sun is a medium-sized star located in the spiral arm of the Milky Way galaxy and that the Sun is many thousands of times closer to Earth than any other star	Life Cycle of a Star (8.8A, 8.8B) Galaxies and Light Years (8.8A, 8.8B, OLD 8.8D)	Life Cycle of a Star (8.8A, 8.8B) Galaxies (8.8A, 8.8B, OLD 8.8D)	Space Interactive Notebook	The Sun Inquiry Lab	n/a	n/a	Space	Full Year Resource Earth Science
TEKS Science 8.8 C - explore how different wavelengths of the electromagnetic spectrum such as light and radio waves are used to gain information about distances and properties of components in the universe	Properties of Waves Sound Waves Visible Light Electromagnetic Spectrum	Properties of Waves Sound Waves Visible Light Electromagnetic Spectrum	Energy Interactive Notebook	Electromagnetic Spectrum Inquiry Lab	n/a	n/a	Energy	Full Year Resource Physical Science
TEKS Science 8.8 D (old 8.8E) - research how scientific data are used as evidence to develop scientific theories to describe the origin of the universe	Big Bang Theory	Big Bang Theory	Space Interactive Notebook	Theories of the Universe Inquiry Lab	n/a	n/a	Space	Earth Science
TEKS Science 8.9 A - describe the historical development of evidence that supports plate tectonic theory	Continental Drift Theory	Continental Drift Theory	Earth Science Interactive Notebook	Theory of Continental Drift Inquiry Lab	n/a	Plate Tectonics Escape Room (6.10 D, 8.9 A, 8.9 B)	Earth Science	Full Year Resource Earth Science
TEKS Science 8.9 B - relate plate tectonics to the formation of crustal features	Plate Tectonics (6.10C, 6.10D, 8.9B)	Plate Tectonics (6.10C, 6.10D, 8.9B)	Earth Science Interactive Notebook	Plate Tectonics Crustal Features Inquiry Lab	n/a	Plate Tectonics Escape Room (6.10 D, 8.9 A, 8.9 B)	Earth Science	Earth Science
TEKS Science 8.9 C - interpret topographic maps and satellite views to identify land and erosional features and predict how these features may be reshaped by weathering	Topographic Maps	Topographic Maps	Earth Science Interactive Notebook	Topographic Maps Inquiry Lab	n/a	Topographic Maps Escape Room	Earth Science	Full Year Resource Earth Science
TEKS Science 8.10 A - recognize that the Sun provides the energy that drives convection within the atmosphere and oceans, producing winds and ocean currents	Convection Currents	Convection Currents	Earth Science Interactive Notebook (Ocean Currents)	Convection and the Sun Inquiry Lab	n/a	n/a	Weather	Physical Science (condensation)
TEKS Science 8.10 B - identify how global patterns of atmospheric movement influence local weather using weather maps that show high and low pressures and fronts	Weather Maps and Air Pressure	Air Masses and Fronts Air Pressure	Weather Interactive Notebook	Weather Maps and Air Pressure Inquiry Lab	n/a	Weather Escape Room	Weather	Full Year Resource
TEKS Science 8.10 C - identify the role of the oceans in the formation of weather systems such as hurricanes.	Hurricane Formation	Hurricane Formation	Weather Interactive Notebook	Hurricanes Inquiry Lab	n/a	n/a	Weather	n/a
TEKS Science 8.11A (old 8.11B) investigate how organisms and populations in an ecosystem depend on and may compete for biotic factors such as food and abiotic factors such as quantity of light, water, range of temperatures, or soil composition;	Biotic and Abiotic Factors (6.12E, 8.11A)	Abiotic and Biotic Factors (6.12E, 8.11A)	Ecosystems Interactive Notebook	Competition for Resources Inquiry Lab	n/a	Biotic and Abiotic Escape Room (6.12E, 8.11A)	Ecosystems	Life Science
TEKS Science 8.11 B (old 8.11C) - explore how short and long-term environmental changes affect organisms and traits in subsequent populations	Short and Long Term Environmental Impacts to Organisms	Short and Long Term Environmental Impacts	Ecosystems Interactive Notebook	Short and Long Term Environmental Impact Inquiry Lab	Project Birdman	n/a	Ecosystems	Life Science

Suggested 5E Section:	SUITABLE for all E's	EXPLORATION	EXPLANATION	ELABORATION	ELABORATION	EVALUATION		VARIES
	5E Lessons - TPT Links	Station Labs - TPT Links	INBs - TPT Links	Inquiry Labs - TPT Links also EXPLORATION	STEM Challenges - TPT Links	Escape Games - TPT Links	Game Boards - TPT Links	Bell Ringers - TPT Links
TEKS Standards (shared standards in parentheses)	<i>*includes Station Labs and INBs</i>	<i>*included in 5E Lessons</i>	<i>*included in 5E Lessons</i>	<i>*NOT included in 5E Lessons</i>	<i>*NOT included in 5E Lessons</i>	<i>*NOT included in 5E Lessons</i>	<i>*NOT included in 5E Lessons</i>	<i>*NOT included in 5E Lessons</i>
TEKS Science 8.11 C (old 8.11D) - recognize human dependence on ocean systems and explain how human activities such as runoff, artificial reefs, or use of resources have modified these systems.	Oceans	Oceans	n/a	Ocean Resources Inquiry Lab	Project Save the Oceans	n/a	n/a	n/a
TEKS: Demonstrate safe practices during laboratory and field investigations as outlined in the Texas Safety Standards						Lab Safety Escape Room		
TEKS: To develop a rich knowledge of science and the natural world, students must become familiar with different modes of scientific inquiry, rules of evidence, ways of formulating questions, ways of proposing explanations, and the diverse ways scientists study the natural world and propose explanations based on evidence derived from their work.						Scientific Method Escape Room		
OLD TEKS standards								
(Removed in current streamlined TEKS) OLD TEKS Science 6.5 C - differentiate between elements and compounds on the most basic level	Elements and Compounds (6.5A, 6.5B)	Elements and Compounds (6.5A, 6.5B)	n/a	n/a	n/a	n/a	Chemistry	
(Removed in current streamlined TEKS) TEKS Science 6.7 B - design a logical plan to manage energy resources in the home, school, or community.	Nonrenewable Resources (6.7A)	Nonrenewable Resources (6.7A)	n/a	n/a	Project Electric (6.7 A and 6.7 B)	n/a	Energy	n/a
(Removed in current streamlined TEKS) OLD TEKS Science 7.5 B - demonstrate and explain the cycling of matter within living systems such as in the decay of biomass in a compost bin	Renewable Resources (6.7A) Nitrogen Cycle	Renewable Resources (6.7A) Nitrogen Cycle	n/a	n/a	n/a	n/a	Ecosystems	n/a
(Removed in current streamlined TEKS) OLD TEKS Science 7.6 A - identify that organic compounds contain carbon and other elements such as hydrogen, oxygen, phosphorus, nitrogen, or sulfur	Carbon Cycle	Carbon Cycle	n/a	n/a	n/a	n/a	Chemistry	n/a
(Removed in current streamlined TEKS) OLD TEKS Science 7.6 C - recognize how large molecules are broken down into smaller molecules such as carbohydrates can be broken down into sugars	Organic Compounds (7.6C, 7.13 C, old 7.6A)	Organic Compounds (7.6C, 7.13C, old 7.6A)	n/a	n/a	n/a	n/a	Chemistry	n/a
(Removed in current streamlined TEKS) OLD TEKS Science 7.6 C - recognize how large molecules are broken down into smaller molecules such as carbohydrates can be broken down into sugars	Organic Compounds (7.6A, 7.13 C)	Organic Compounds (7.6A, 7.13C)	n/a	n/a	n/a	n/a	Chemistry	n/a
(Removed in current streamlined TEKS) OLD TEKS Science 7.7 A - contrast situations where work is done with different amounts of force to situations where no work is done such as moving a box with a ramp and without a ramp, or standing still	Work	Work	Force and Motion Interactive Notebook	n/a	n/a	n/a	Force & Motion	n/a
(Removed in current streamlined TEKS) OLD TEKS Science 8.5 F - recognize whether a chemical equation containing coefficients is balanced or not and how that relates to the law of conservation of mass	Balancing Chemical Equations	Balancing Chemical Equations	Chemistry Interactive Notebook	n/a	n/a	n/a	Chemistry	n/a
(Removed in current streamlined TEKS) OLD TEKS Science 8.8 D - model and describe how light years are used to measure distances and sizes in the universe	Galaxies and Light Years (8.8A, OLD 8.8D)	Galaxies (8.8A, 8.8B, OLD 8.8D)	Space Interactive Notebook	n/a	n/a	n/a	Space	n/a
(Removed in current streamlined TEKS) OLD TEKS Science 8.11 A - describe producer/consumer, predator/prey, and parasite/host relationships as they occur in food webs within marine, freshwater,	Food Webs (6.12A, 7.5B, OLD 8.11A)	Food Webs (7.5C, 6.12F, 8.11A)	Ecosystems Interactive Notebook	n/a	n/a	Food Webs and Energy in an Ecosystem Escape Room (7.5A, 7.5B)	Ecosystems	Full Year Resource
	Organism Relationships (6.12F, OLD 8.11A)	Organism Relationships (6.12F, 8.11A)						Life Science