

ARGYLE ISD

YEAR AT A GLANCE

KINDERGARTEN - SCIENCE

	First Quarter Grading Period	Second Quarter Grading Period	Third Quarter Grading Period	Fourth Quarter Grading Period
Focus TEKS	<p>UNIT 1: DOING SCIENCE Les. 1:K.2D, K.4B Les. 2: K.2A, K.2D, K.4A Les. 3: K.2C, K.2D, K.3C, K.4A</p> <p>UNIT 9: ANIMALS Les. 22: K.2DE, K.9A, K.9B, K.10C Les. 23: K.2D, K.10A, K.10B</p>	<p>UNIT 9: ANIMALS cont. Les. 24: K.2D, K.9B</p> <p>UNIT 8: DAY & NIGHT SKY Les. 20: K.2D, K.8C Les. 21: K.2D, K.3B, K.8B, K.8C</p> <p>UNIT 2: SCIENCE & TECHNOLOGY Les. 4: K.2D, K.3A Les. 5: K.1C, K.2D, K.3A</p> <p>UNIT 5: MOTION Les. 11: K.2B, K.4A, K.6B Les. 12: K.2D, K.6C Les. 13: K.2B, K.6D</p>	<p>UNIT 3: MATTER Les. 6: K.2D, K.5A Les. 7: K.4B, K.5B</p> <p>UNIT 6: EARTH'S RESOURCES Les. 14: K.2D, K.7A</p> <p>UNIT 4: ENERGY Les. 8: K.2D, K.6A Les. 9: K.2D, K.6A Les. 10: K.2D, K.6A</p>	<p>UNIT 6: EARTH'S RESOURCES cont. Les. 15: K.2D, K.7B Les. 16: K.1C, K.2D, K.7C</p> <p>UNIT 7: WEATHER & THE SEASONS Les. 17:K.2D, K.8A Les. 18: K.2D, K.4A Les. 19: K.2D, K.3B, K.8A, K.8B</p> <p>UNIT 10: PLANTS Les. 25K.2D, K.4B, K.10A, K.10B Les. 26: K.2D, K.9B Les. 27: K.2D, K.10B Les. 28: K.2D, K.10C, K.10D</p>
Topic Focus	<p>UNIT 1: DOING SCIENCE Record and organize data and observations Use senses as a tool of observation to identify properties and patterns Ask questions about organisms, objects, and events Collect information using non-standard measuring items such as paper clips. Collect data and make observations using simple equipment Explore that scientists investigate different things in the world Collect information using tools</p> <p>UNIT 9: ANIMALS Differentiate between living and nonliving things based upon whether they have basic needs and produce offspring Examine evidence that living organisms have basic needs Identify ways that you plants resemble the parent plant Sort animals into groups based on physical characteristics Identify parts of animals such as head, eyes, and limbs</p>	<p>UNIT 9: ANIMALS cont. Record and organize data and observations Examine that living organisms have basic needs such as food, water, and shelter</p> <p>UNIT 8: DAY & NIGHT SKY Observe, describe, and illustrate objects in the sky Make predictions based on observable patterns in nature Identify events that have repeating patterns, including seasons of the year and day and night</p> <p>UNIT 2: SCIENCE & TECHNOLOGY Identify and explain a problem and propose a solution Demonstrate how to use, conserve, and dispose of natural resources and materials. Collect information using tools</p> <p>UNIT 5: MOTION Explore interactions between magnets and various materials Observe and describe the locations of an object in relation to another Observe and describe the ways that objects can move</p>	<p>UNIT 3: MATTER Record and organize data and observations Observe and record properties of objects Use senses as a tool of observation Observe, record, and discuss how materials can be changed by heating or cooling</p> <p>UNIT 6: EARTH'S RESOURCES Observe, describe, compare, and sort rocks by size, shape, color, and texture</p> <p>UNIT 4: ENERGY Use the five senses to explore different forms of energy such as light, heat, and sound Record and organize data and observations</p>	<p>UNIT 6: EARTH'S RESOURCES cont. Observe and describe physical properties of natural sources of water Demonstrate how to use, conserve, and dispose of natural resources and materials Give examples of ways rocks, soil, and water are useful</p> <p>UNIT 7: WEATHER & THE SEASONS Observe and describe weather changes from day to day and over seasons Collect information using weather instruments Make predictions based on observable patterns in nature such as the shape of leaves Identify events that have repeating patterns</p> <p>UNIT 10: PLANTS Use senses as a tool of observation to identify properties of patterns or organisms, objects, and events Sort plants into groups based on physical characteristics Identify parts of plants Examine evidence that living organisms have basic needs</p>
Suggestions for Parental Support and Involvement	<p>UNIT 1: DOING SCIENCE Talk with family members about ways to use their senses for safety and good health at home. For example: learn about smells that may mean danger, such as smoke. Discuss ways things in different rooms at home are sorted into groups. Discuss the tools you use at home (scale, thermometer, measuring cup, etc.)</p> <p>UNIT 9: ANIMALS Discuss living and nonliving things in your home. Poll family member to find out each person's favorite animal. Draw or find a magazine picture of an animal they would like to have as a pretend pet. Discuss how to take care of their pretend pet (food, water, shelter).</p>	<p>UNIT 8: DAY & NIGHT SKY Explore with family members which part of a day (morning or afternoon) is the sunniest in their home. Observe the night sky for several days. Encourage your child to draw a picture of the sky each night, paying attention to the shape of the moon.</p> <p>UNIT 2: SCIENCE & TECHNOLOGY Discuss about objects that engineers may have designed. Use the design process to solve a problem at home. Find a problem and a way to improve it, plan and build, redesign, test, and talk about it.</p> <p>UNIT 5: MOTION Go on a "magnet hunt" at home and test out refrigerators, clothing, closet doors, etc. Discuss the location of things in their bedroom using words such as above, behind, below, over, in front of, etc. Discuss how things move at home (hands of a clock, can opener, a door, etc).</p>	<p>UNIT 3: MATTER Talk with family members about how objects are sorted (clothes, plates, food, etc). Discuss heating and cooling goods for the family's meals.</p> <p>UNIT 6: EARTH'S RESOURCES Go on a "rock hunt" with family members to look for rocks at home and in your neighborhood.</p> <p>UNIT 4: ENERGY Discuss sources of light in different rooms (ceiling light, lamp, candle, flashlight, etc.) Discuss items at home that give off heat (lamp, fireplace, clothes dryer, hair dryer, etc).</p>	<p>UNIT 6: EARTH'S RESOURCES cont. Talk with family members about lakes, rivers, ponds, and oceans that they have visited or seen in photographs, on television, or in movies. Discuss the recycling symbol and where it can be found (cans, boxes, bottles, jars, etc.)</p> <p>UNIT 7: WEATHER & THE SEASONS Talk with family members about clothes to wear for different kinds of weather. Discuss how thermometers are used at home (measure outside, inside, people's temperatures, and food). Talk about the dates, months, and seasons during which each family birthday takes place.</p> <p>UNIT 10: PLANTS Take a walk to look for plants with differently-shaped leaves. Talk about what the plants in the house need to grow Talk about the food they eat that comes from plants (fruits, vegetables, breads, cereal, and pastas).</p>

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FIRST GRADE - SCIENCE

	First Quarter Grading Period	Second Quarter Grading Period	Third Quarter Grading Period	Fourth Quarter Grading Period
Focus TEKS	1.1 A, B 1.2 A, B, C, D, E 1.3 A, B 1.4 A 1.7 A, C 1.8 C 10 B	1.1 C 1.2 A, B, C, D, E 1.3 B 1.4 A 1.5 A, B 1.9 B 1.10 B, C	1.1 C, 1.2 A, B, C, D 1.3 A, B, 1.4 A, B, 1.5 A, B 1.6 A, B, C, D, 1.7 B, 1.8 B, C 1.10 A, C, D	1.2 A, B, C, D, E 1.3 A, B, C 1.8 A, D 1.10 A, C, D
Topic Focus	Rules and Routines and Supplies: Intro the Science Process Living Non-living Seasons, Pets Rocks and Soil Plants Systems Spiders: Life Cycle Senses: Scientific Process	Bats: Animal Characteristics Pumpkins: Parts of a Plant/Collect and Record Data Homes: Habitats Food Groups: Record and Organize Data Matter	Matter: continued Forms of Energy Penguins: Life Cycles Magnets Question, Observe and Record Change: Penny Lab Pushes and Pulls In the Sky Oceans	What Do Scientist Do? Weather Frogs Occupations: Jobs in Science Insects Butterflies
Suggestions for Parental Support and Involvement	<p>Rules/Routines/Supplies Intro the Science Process: Discuss with your child the importance of following the safety rules for science activities.</p> <p>Living Nonliving: Go on a walk pointing out living and nonliving things.</p> <p>Seasons: Look at a family photo album and have your child identify what season of the year the photo was taken.</p> <p>Rocks and Soil : Help your child begin a rock collection.</p> <p>Plants Systems: Get a houseplant from the store and let your child care for it.</p> <p>Pets: If you have a pet, talk with your child about what they do that help the pet survive and be happy. If they do not have a pet, volunteer to watch someone's pet while they are away. Let your child help care for it and talk about what it takes to care for a pet.</p> <p>Spiders: Life Cycle: Go on a spider web hunt.</p> <p>Bats: Animal Characteristics: Go out in the early evening and have a bat watch. Discuss how bats help us. You might want to adopt a bat through one of the bat conservation programs</p>	<p>Senses: Have your child guess that is for dinner using all their senses except for sight. Then have them taste food with their nose closed.</p> <p>Pumpkins: Make something for dinner using pumpkin. Visit a Pumpkin Patch.</p> <p>Homes: Take a walk around the house looking for animal homes.</p> <p>Food Groups: Have your child analyze your dinner to determine if all food groups are present.</p> <p>Matter: On a very cold night, run the sprinkler and let ice form. In the morning let your child investigate the ice. Later as it melts, let them investigate it again. Finally, when it is dried up, let them investigate again and draw conclusions about what happened to the water</p>	<p>Matter continued: Make Jello popsicles letting your child see the steam, the liquid, and ice. Discuss how each state is the water and jello mix. (They can carefully smell the air to find out that some jello is in the air as gas.)</p> <p>Forms of Energy: Visit a power plant or drive up to UNT and look at the wind generators.</p> <p>Penguins: Life Cycles: Visit a zoo that has penguins.</p> <p>Magnets: Give your child a magnet and have them find things that will attract to it outside. Then let them experiment with it using their toys. Be sure the toys do not include electronics.</p> <p>Question, Observe and Record Change: Look up what the Statue of Liberty looked like when it was new and what it looks like now. Discuss why it changed.</p> <p>Pushes and Pulls: Encourage your child to play with little cars. Build ramps to make the cars go faster. Work with them to race two cars and ask them why one car was faster than the other.</p> <p>In the Sky: On a clear night, choose a few constellations to go out and find with your child.</p> <p>Oceans: Visit some place that has a saltwater aquarium.</p>	<p>What Do Scientist Do?: Let your child look up a simple experiment using everyday household items to conduct and draw conclusions about.</p> <p>Weather: Watch the evening weather each day. Let your child keep a record of whether the weather person was correct or not. At the end of the week ask them to predict what the weather will be.</p> <p>Frogs: Visit a local pond around evening and let your child first try to find tadpoles in the water and next sit and listen to the sounds of the area frogs.</p> <p>Occupations: Jobs in Science: Visit a science museum. Discuss all the different jobs that it take to do all the things in the museum.</p> <p>Insects: Go on an insect walk around your house. What interesting insects can you find?</p> <p>Butterflies: Plant some milkweed. As it grows, have your child watch for signs of monarch butterflies.</p>

	First Quarter Grading Period	Second Quarter Grading Period	Third Quarter Grading Period	Fourth Quarter Grading Period
Focus TEKS	Scientific investigation and reasoning 2.1, 2.2, 2.3, 2.4	Matter and energy Force, motion, and energy 2.5, 2.6	Earth and space 2.7, 2.8	Organisms and environments 2.9, 2.10
Topic Focus	Scientific Method Scientific Process Scientist Tools Scientist, Inventors, Engineers	Physical Science: Matter and Energy Force, Motion, and Energy	Earth Science: Earth and Its resources All About Weather The Solar System	Life Science: Animal and Plant Needs Environments for Living Things Animal and Plant Characteristics
Suggestions for Parental Support and Involvement	<p>Have conversations with your child about following safe practices at all times (washing hands, hot liquids, wearing safety goggles, using materials appropriately).</p> <p>Have conversations with your child about scientist and the tools, technology and process they use to solve problems.</p>	<p>Look for ways to talk about light, heat, and sound in your everyday activities.</p> <p>Identify uses for magnets in everyday life.</p> <p>Explore the way different objects move (sliding, rolling, spinning).</p>	<p>Use important weather vocabulary with your child (such as rainy, sunny, cloudy, foggy, windy, etc.).</p> <p>Visit weather.com and graph the weather daily of a city or a country.</p> <p>Collect, observe, & classify rocks by texture, size, color, etc.</p> <p>Visit and observe different bodies of water such as ponds, creeks, streams, & lakes.</p>	<p>Use the terms living/non-living to describe and discuss objects, animals, plants.</p> <p>Research life cycles.</p> <p>Visit the zoo and talk about the ways animals move, where they live, and what it eats</p> <p>https://kids.nationalgeographic.com/animals</p> <p>https://zoo.sandiegozoo.org/live-cams</p>

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THIRD GRADE - SCIENCE

	First Quarter Grading Period	Second Quarter Grading Period	Third Quarter Grading Period	Fourth Quarter Grading Period
Focus TEKS	3.1A; 3.2A,B,C,F; 3.3A,B,C; 3.4A,B; 3.7A,B,C	3.1A,B; 3.2B,C,F; 3.3C; 3.4A 3.5C; 3.7A,D; 3.8 A,B,C,D	3.1A; 3.2A,B,C,D,E,F; 3.4A,B; 3.5A,B,C,D; 3.6A,B,C	3.1A; 3.2B,C,E,F; 3.3A,C; 3.4A,B; 3.9A,B,C; 3.10A,B,C
Topic Focus	<ul style="list-style-type: none"> ● Demonstrate safe practices ● Plan and implement descriptive investigations ● Collect data ● Organize, examine, and evaluate measured data ● Analyze, evaluate, and critique scientific explanations ● Draw inferences and evaluate accuracy of product claims ● Represent the natural world using models ● Collect, record, and analyze information using tools ● Use safety equipment as appropriate ● Explore and record how soils are formed ● Investigate rapid changes in Earth's surface ● Identify and compare different landforms 	<ul style="list-style-type: none"> ● Demonstrate safe practices ● Make informed choices in the use and conservation of natural resources ● Collect data ● Organize, examine, and evaluate measured data ● Analyze, evaluate, and critique scientific explanations ● Represent the natural world using models ● Collect, record, and analyze information using tools ● Predict, observe, and record changes in the state of matter caused by heating or cooling ● Explore and record how soils are formed ● Explore the characteristics of natural resources that make them useful in products and materials ● Observe, measure, record, and compare day-to-day weather changes in different locations ● Describe and illustrate the Sun as a star composed of gases ● Construct models that demonstrate the relationship of the Sun, Earth, and Moon ● Identify the planets in Earth's solar system and their position in relation to the Sun 	<ul style="list-style-type: none"> ● Demonstrate safe practices ● Plan and implement descriptive investigations ● Collect data ● Organize, examine, and evaluate measured data ● Analyze and interpret patterns in data to construct reasonable explanations ● Demonstrate that repeated investigations may increase the reliability of results ● Communicate valid conclusions supported by data ● Collect, record, and analyze information using tools ● Use safety equipment as appropriate ● Measure, test, and record physical properties of matter ● Describe and classify samples of matter as solids, liquids, and gases ● Predict, observe, and record changes in the state of matter caused by heating or cooling ● Explore and recognize that a mixture is created when two materials are combined ● Explore different forms of energy, including mechanical, light, sound, and heat/thermal ● Demonstrate and observe how position and motion can be changed by pushing and pulling objects to show work being done ● Observe forces such as magnetism and gravity acting on objects 	<ul style="list-style-type: none"> ● Demonstrate safe practices ● Make informed choices in the use and conservation of natural resources ● Collect data ● Demonstrate that repeated investigations may increase the reliability of results ● Communicate valid conclusions supported by data ● In all fields of science, analyze, evaluate, and critique scientific explanations by using empirical evidence, logical reasoning, and experimental and observational testing ● Represent the natural world using models ● Collect, record, and analyze information using tools ● Use safety equipment as appropriate ● Observe and describe the physical characteristics of environments and how they support populations and communities within an ecosystem ● Identify and describe the flow of energy in a food chain and predict how changes in a food chain affect the ecosystem ● Describe environmental changes ● Explore how structures and functions of plants and animals allow them to survive in a particular environment ● Explore that some characteristics of organisms are inherited and recognize that some behaviors are learned in response ● Investigate and compare how animals and plants undergo a series of orderly changes in their diverse life cycles
Suggestions for Parental Support and Involvement	Study vocabulary Read a book or look up pictures of landforms and how landforms are formed. When driving around point out the ones that are around you.	Study vocabulary Discuss what the weather was like or will be like the next day. Look at the sky at night and discuss what they can see.	Study vocabulary Test out objects at how to see which are magnetic and which are not Talk about the different types of energy that is being used around the house	Study vocabulary Plant some plants and watch as they go through the life cycle Discuss the different traits the child received from their mom and dad

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FOURTH GRADE - SCIENCE

	First Quarter Grading Period	Second Quarter Grading Period	Third Quarter Grading Period	Fourth Quarter Grading Period
Focus TEKS	4.1 A 4.2 A, B, C, D, E, F 4.3 A, B, C 4.4 A 4.5 A, B	4.1 A, B 4.2 A, B, C, D, E, F 4.3 A, C 4.4 A 4.5 A, B 4.6 A, B, C, D	4.1 A, B 4.2 A, B, C, D, E, F 4.3 B, C 4.4 A 4.6 D 4.7 A, B, C 4.8 A, B, C	4.1 A 4.2 A, B, C, D, F 4.3 A, B, C 4.4 A 4.8 C 4.9 A, B 4.10 A, B, C
Topic Focus	Unit 1-Studying Science Unit 2-The Engineering Process Unit 3-Matter	Unit 4-Forms of Energy Unit 5-Electricity and Circuits Unit 6-Forces and Motion	Unit 7-Earth’s Surface Unit 8-The Water Cycle and Weather Unit 9-Patterns in the Sky	Unit 9-Patterns in the Sky Unit 10-Organisms and Their Environments Unit 11-Plants and Animals
Suggestions for Parental Support and Involvement	--Review Vocabulary list for each unit with your child. --Review Unit Study Guides with your child. --Review topics covered in class using the online Science Fusion textbook and/or teacher’s google classroom. --With your child, design and carry out an investigation using the Scientific Method or the Engineering Design Process.	--Review Vocabulary list for each unit with your child. --Review Unit Study Guides with your child. --Review topics covered in class using the online Science Fusion textbook and/or teacher’s google classroom. --With your child, Google “_____ STEM activities for fourth grade science” (in the blank put one of the topics of study) and complete a STEM activity.	--Review Vocabulary list for each unit with your child. --Review Unit Study Guides with your child. --Review topics covered in class using the online Science Fusion textbook and/or teacher’s google classroom. --With your child, Google “_____ STEM activities for fourth grade science” (in the blank put one of the topics of study) and complete a STEM activity.	--Review Vocabulary list for each unit with your child. --Review Unit Study Guides with your child. --Review topics covered in class using the online Science Fusion textbook and/or teacher’s google classroom.

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FIFTH GRADE - SCIENCE

	First Quarter Grading Period	Second Quarter Grading Period	Third Quarter Grading Period	Fourth Quarter Grading Period
Focus TEKS	5.1A, B 5.2A,B,C,D, E, F, G 5.3A, B, C 5.4A 5.5A, B, C 3.5C	5.6 A, B, C, D 3.6B 5.7B 3.7B	5.7A, B 4.7A,B,C 3.7B 5.8A,B,C,D 4.8A,B,C 3.8D	5.9A, B, C, D 3.9A 5.10A, B 3.10B
Topic Focus	Lab Safety Science Tools Classify Matter Physical Properties Changes in Matter Mixtures Solutions	Energy: Mechanical, Electrical, Light, Thermal, and Sound Circuits Light Force Changes to Earth's Surface Sedimentary Rock	Fossil Fuels Alternative Energy Physical Characteristics of Earth, Sun, and Moon Rotation and Revolution of the Earth Day and Night Cycle Weather vs Climate Water Cycle	Life Science Living and Nonliving Interactions in Ecosystems Food Webs Structures and Functions of Plants and Animals Life Cycles (Complete and Incomplete Metamorphosis) Inherited Traits of Plants and Animals vs Learned Behaviors
Suggestions for Parental Support and Involvement	<ul style="list-style-type: none"> * Review unit vocabulary in STEMscopes (located in Classlink-Textbooks- STEMscopes). * Review unit vocabulary with Quizlet (located in Google Classroom). * Review weekly homework questions. * Read the online textbook (located in Classlink- Textbooks- Think Central) 	<ul style="list-style-type: none"> * Review unit vocabulary in STEMscopes (located in Classlink-Textbooks- STEMscopes). * Review unit vocabulary with Quizlet (located in Google Classroom). * Review weekly homework questions. * Read the online textbook (located in Classlink- Textbooks- Think Central) 	<ul style="list-style-type: none"> * Review unit vocabulary in STEMscopes (located in Classlink-Textbooks- STEMscopes). * Review unit vocabulary with Quizlet (located in Google Classroom). * Review weekly homework questions. * Read the online textbook (located in Classlink- Textbooks- Think Central) 	<ul style="list-style-type: none"> * Review unit vocabulary in STEMscopes (located in Classlink-Textbooks- STEMscopes). * Review unit vocabulary with Quizlet (located in Google Classroom). * Review weekly homework questions. * Read the online textbook (located in Classlink- Textbooks- Think Central)

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SIXTH GRADE - SCIENCE

	First Quarter Grading Period	Second Quarter Grading Period	Third Quarter Grading Period	Fourth Quarter Grading Period
Focus TEKS	Ongoing: 6.1AB, 6.2ABCDE, 6.3ABCD, 6.4AB 6.5A 6.5B 6.5C(S) 6.5D 6.6A(S) 6.6B(S)	6.7A, 6.7B, 6.8A(S), 6.8B, 6.8C(S), 6.8 D(S), 6.8E	6.6C, 6.9A, 6.9B, 6.9C(S), 6.10A, 6.10B, 6.10C, 6.10D	6.11A, 6.11B(S), 6.11C, 6.12A, 6.12B, 6.12C, 6.12D(S), 6.12E, 6.12F
Topic Focus	Unit 1: Scientific Investigation and Reasoning Unit 2: Matter and Energy	Unit 2: Matter and Energy Unit 3: Force, Motion, and Energy	Unit 4: Earth and Space	Unit 4: Earth and Space Unit 5: Organisms and Environment
Resources	Textbook: Chapter 1, 2, 3	Textbook: Chapter 4, 5, 6	Textbook: Chapter 7, 8	Textbook: Chapter 9, 10, 11

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SEVENTH GRADE - SCIENCE

	First Quarter Grading Period	Second Quarter Grading Period	Third Quarter Grading Period	Fourth Quarter Grading Period
Focus TEKS	Lab Safety & Lab Equipment, 7.1.AB, 7.2.AB, 7.4.AB Ecology, 7.5.B, 7.8.ABC, 7.10.ABC, 7.12A,C	Ecology, 7.5A, 7.6, 7.11.A, 7.12.C-F, 7.13.AB	Human Body Systems, 7.7.B, 7.12.A-E, 7.13.AB	Human Body Systems, 7.6, 7.7.AB, 7.9 AB, 7.11.B, 7.12.A-E, 7.13.AB Genetics, 7.14.ABC
Topic Focus	Establish Routines & Lab Safety, Id Lab Equipment, Metric System, Set up ISN Food Chains & Webs, Biomes, Scrat Project, WED, Groundwater & Succession, Catastrophic Events, Cycles of matter	Photosynthesis & Cellular Respiration, Cell Theory, Prokaryotes, Eukaryotes, Kingdoms & Domains of Life, Cell Parts & Functions, Mitosis, Meiosis, MRS NERG, Dichtomous Key, Cladogram, Binomial Nomenclature, Natural Selection, Selective Breeding	Integumentary System, Skeletal System, Muscular System, Digestive System, Circulatory System, Respiratory System, CPR	Immune System, Endocrine System, Nervous System, Excretory System, Reproductive System, Frog Dissection, Genetics, Space
Suggestions for Parental Support and Involvement	Discuss what biomes you've visited, go to the zoo, cook a meal together- discuss measurement, changes of matter, safety with culinary tools, discuss catastrophic events- tornado safety	Discuss the relationships for how the trees and plants around your house provide you energy and you provide them energy in return. Discuss differences between your bodies and the bodies of other lifeforms. How do you know you are alive? Discuss how your bodies heals after an enjury.	Discuss what all is involved to help your body move while playing in the backyard. Discuss what happens to the food you eat while having a family meal. Discuss what is happening while you feel your heartbeat in your chest. Discuss where air goes as you breath. Discuss safety when it comes to your heart and lungs.	Discuss how to keep the body healthy during the flu seasons. Discuss how to keep the brain healthy and functioning. Discuss how babies are made and how the different parts of males and females work. Talk about how you received the traits from your family. Observe the night sky and discuss the complexities of the universe.

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EIGHTH GRADE - SCIENCE

	First Quarter Grading Period	Second Quarter Grading Period	Third Quarter Grading Period	Fourth Quarter Grading Period
Focus TEKS	<p>Unit 1 8.5 A (R) , 8.5 B (R), 8.5 C (R), 8.5 D (R), 8.5 E (R) These process standards are embedded in all units. 8.1 AB, 8.2 ABCDE, 8.3 ABCD, 8.4 AB</p>	<p>Unit 2 8.6 A (R), 8.6 B (S), 8.6 C (R) Unit 3 8.8 A (R), 8.8 B (S), 8.8 C (S), 8.8 D (S) These process standards are embedded in all units. 8.1 AB, 8.2 ABCDE, 8.3 ABCD, 8.4 AB</p>	<p>Unit 3 8.7 A (R), 8.7 B (R), 8.7 C (S) Unit 4 8.10 A (S), 8.10 B (S), 8.10 C (S) Unit 5 8.9 A (S), 8.9 B (R), 8.9 C (R) These process standards are embedded in all units. 8.1 AB, 8.2 ABCDE, 8.3 ABCD, 8.4 AB</p>	<p>Unit 6 8.11 A (R), 8.11 B (R), 8.11 C (S) STAAR Review All 4 Reporting Categories These process standards are embedded in all units. 8.1 AB, 8.2 ABCDE, 8.3 ABC, 8.4 AB</p>
Topic Focus	<p>Rules and Procedures, Lab Safety, Scientific Method</p> <p>CHEMISTRY Atomic Structure, Periodic Table Arrangement, Chemical Reactions, Relating Chemical Reactions to Chemical Equations, Law of Conservation of Mass</p>	<p>PHYSICS, Balnced/Unbalanced Forces, Speed, Velocity, and Acceleration, Newton's Laws</p> <p>ASTRONOMY-UNIVERSE Components of the Universe, Electromagnetic Spectrum, The Sun, Scientific Theories</p>	<p>SPACE CYCLES- Rotation and Revolution, Seasons, Solstices, Equinoxes, Lunar Cycle, Eclipse, Tides</p> <p>WEATHER- Radiation, Conduction, Convection, Wind and Ocean Currents, Coriolis Effect, High/Low Pressure, Air Masses, Weather Fronts and Symbols, Hurricanes</p>	<p>GEOLOGY- plate tectonics, continental drift, landforms, layers of the earth, topographic maps</p> <p>ECOLOGY- biotic factors, abiotic factors, environmental changes (long term and short term), competition, energy transfer</p>
Resources	<p>Review Child's Science Notebook, Quiz student on key vocabulary, Chapters 1-3 in science book</p>	<p>Review Child's Science Notebook, Quiz student on key vocabulary, PHYSICS (Chapters 4 and 5), ASTRONOMY-UNIVERSE (Chapter 7) in science book</p>	<p>Review Child's Science Notebook, Quiz student on key vocabulary, ASTRONOMY-SPACE CYCLES (Chapter 6), WEATHER (Chapters 10 and 11) in science book</p>	<p>Review Child's Science Notebook, Quiz student on key vocabulary, GEOLOGY (Chapters 8 and 9), ECOLOGY(Chapters 12 and 13) in science book</p>

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IPC

	First Quarter Grading Period	Second Quarter Grading Period	Third Quarter Grading Period	Fourth Quarter Grading Period
Focus TEKS	Unit 1: B1A, (P) B1 B (P) B2A (P), B (P), C(P), D (P), E(P), F(P), G(P), H (P) B3A(P), B(P), C(P), D(P), E(P) Unit 2: 1, 2A, 2B, 2C, 2D, 3, 3A, 3C, 3D, 3E Unit 3: 1, 1A, 1B, 2, 2A, 2B, 2C, 2D, 3, 3A, 6, 6B, 7, 7A, 8, 8A Unit 4: 1, 1A, 1B, 2, 2A, 2B, 2C, 2D, 3, 3A, 3C, 5B, 7, 7E, 8A, 8C, 9	Unit 5: 1, 1A, 2, 2A, 2B, 2C, 2D, 3, 3A, 3C, 3E, 7, 7B, 7D Unit 6: 1, 1A, 2A, 2B, 2C, 2D, 3, 3A, 3E, 7, 7B, 7D, 8, 8A, 8E, 9, 9A, 9B, 9D Unit 7: 1, 1A, 2A, 2B, 2C, 2D, 3, 3A, 3C, 3E, 6E, 7D, 7E, 8E, 9B	Unit 8: 1, 1A, 1B, 2, 2A, 2B, 2C, 2D, 3, 3A, 3C, 3E, 6, 6B, 7, 8, 8A, 8E Unit 9: 1, 1A, 2A, 2B, 2C, 2D, 3, 3A, 8, 8A, 8B, 8E, 9, 9A, 9B, 9D, 9E Unit 10: 1, 1A, 2A, 2B, 2C, 2D, 3, 3C, 3E, 6, 6C, 6D, 7, 7B, 7C, 8, 8A, 8B, 8C, 8E Unit 11: 1, 1A, 2, 2A, 2B, 2C, 2D, 3, 3A, 3B, 4, 4A, 4B, 4C	Unit 12: 1, 1A, 2, 2A, 2B, 2C, 2D, 3, 3A, 3E, 4, 4A, 4B, 4C Unit 13: 1, 1A, 2, 2A, 2B, 2C, 2D, 3, 3A, 3C, 3E, 4, 4B, 6, 6A, 6B, 6H, 8, 8A, 8D Unit 14: 1, 1A, 2, 2A, 2B, 2C, 2D, 3, 3A, 3C, 3D, 4, 4A, 4C, 4D, 6 Unit 15: 1, 1A, 2, 2A, 2B, 2C, 2D, 3, 3A, 3C, 3D, 4, 4A, 4C, 4D, 6
Topic Focus	Unit 1: Science Safety Scientific Method & investigations Unit 2: The Nature of Science Unit 3: Solids, Liquids, and Gases Unit 4: Classification of Matter	Unit 5: Properties of Atoms and the Periodic Table Unit 6: Chemical Bonds Unit 7: Elements and their Properties	Unit 8: Organic Compounds Unit 9: Solutions Unit 10: Chemical Reactions Unit 11: Motion and Speed	Unit 12: Forces Unit 13: Energy Unit 14: Work and Machines Unit 15: Rube Goldberg Project
Resources	Textbook Glencoe teaching workbooks Google Classroom YouTube Quizizz Quizlet Nearpod Socrative EDpuzzle Phet Glencoe virtual labs Kahoot	Textbook Glencoe teaching workbooks Google Classroom YouTube Quizizz Quizlet Nearpod Socrative EDpuzzle Phet Glencoe virtual labs Kahoot	Textbook Glencoe teaching workbooks Google Classroom YouTube Quizizz Quizlet Nearpod Socrative EDpuzzle Phet Glencoe virtual labs Kahoot	Textbook Glencoe teaching workbooks Google Classroom YouTube Quizizz Quizlet Nearpod Socrative EDpuzzle Phet Glencoe virtual labs Kahoot

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YEAR AT A GLANCE

Biology

	First Quarter Grading Period	Second Quarter Grading Period	Third Quarter Grading Period	Fourth Quarter Grading Period
Focus TEKS	Unit 1: 1A,1B, 2C, 2D, 2E, 2F, 2G, 2H, 3A Unit 2: 2F, 2H, 3C, 9A, 9C Unit 3: 2G, 3F, 4A, 4B	Unit 4: 2E, 2F, 2G, 2H, 4B, 9B, 9C Unit 5: 5A, 5B, 5C, 9C Unit 6: 5A, 5B, 5C, 6A, 6B, 6D, 6F, 6G Unit 7: 6F	Unit 8: 5B, 6A, 6B, 6C, 6D, 6E Unit 9: 7A, 7B, 7C, 7D, 7E, 7F	Unit 10:: 8A, 8B, 8C Unit 11: 1B, 2A, 2B, 2C, 3B, 3C, 3D, 3E, 3F, 11A, 11B, 12A, 12B, 12C, 12D, 12E Unit 12: 4C, 11A, 12A, 12D Unit 13: 4A, 4B, 8C, 9B,10B, 10C Unit 14: 4A, 4B, 10A, 10C Unit 15: 1A, 2F, 10C
Topic Focus	Unit 1: Science of Biology Unit 2: Biochemistry Unit 3: Cell Structure and Function	Unit 4: Bioenergetics Unit 5: Cell Cycle Unit 6: Meiosis and Mendel Unit 7: Non-Mendelian Genetics	Unit 8: Molecular Genetics Unit 9: Evolution	Unit 10: Classification and Taxonomy Unit 11: Ecology Unit 12: Microorganisms and Fungi Unit 13: Plants Unit 14: Body Systems Unit 15: Dissections
Resources	Textbook CK-12 Foundation Google Classroom Bozeman Quizizz Nearpod EDpuzzle AmoebaSisters	Textbook CK-12 Foundation Google Classroom Bozeman Quizizz Nearpod EDpuzzle AmoebaSisters	Textbook CK-12 Foundation Google Classroom Bozeman Quizizz Phet Simulation Nearpod EDpuzzle AmoebaSisters	Textbook CK-12 Foundation Google Classroom Bozeman Quizizz Nearpod EDpuzzle AmoebaSisters

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Biology PreAP

	First Quarter Grading Period	Second Quarter Grading Period	Third Quarter Grading Period	Fourth Quarter Grading Period
Focus TEKS	Unit 1: 1A,1B, 2C, 2D, 2E, 2F, 2G, 2H, 3A Unit 2: 2F, 2H, 3C, 9A, 9C Unit 3: 2G, 3F, 4A, 4B	Unit 4: 2E, 2F, 2G, 2H, 4B, 9B, 9C Unit 5: 5A, 5B, 5C, 9C Unit 6: 5A, 5B, 5C, 6A, 6B, 6D, 6F, 6G Unit 7: 6F	Unit 8: 5B, 6A, 6B, 6C, 6D, 6E Unit 9: 7A, 7B, 7C, 7D, 7E, 7F Unit 10: 7A, 7B, 7C, 7D, 7E, 7F	Unit 11: 8A, 8B, 8C Unit 12: 1B, 2A, 2B, 2C, 3B, 3C, 3D, 3E, 3F, 11A, 11B, 12A, 12B, 12C, 12D, 12E Unit 13: 4C, 11A, 12A, 12D Unit 14: 4A, 4B, 8C, 9B, 10B, 10C Unit 15: 4A, 4B, 10A, 10C Unit 16: 1A, 2F, 10C
Topic Focus	Unit 1: Science of Biology Unit 2: Biochemistry Unit 3: Cell Structure and Function	Unit 4: Bioenergetics Unit 5: Cell Cycle Unit 6: Meiosis and Mendel Unit 7: Non-Mendelian Genetics	Unit 8: Molecular Genetics Unit 9: Genetic Engineering Unit 10: Evolution	Unit 11: Classification and Taxonomy Unit 12: Ecology Unit 13: Microorganisms and Fungi Unit 14: Plants Unit 15: Body Systems Unit 16: Dissections
Resources	Textbook CK-12 Foundation Google Classroom Bozeman Quizizz Nearpod EDpuzzle AmoebaSisters	Textbook CK-12 Foundation Google Classroom Bozeman Quizizz Nearpod EDpuzzle AmoebaSisters	Textbook CK-12 Foundation Google Classroom Bozeman Quizizz Phet Simulation Nearpod EDpuzzle AmoebaSisters	Textbook CK-12 Foundation Google Classroom Bozeman Quizizz Nearpod EDpuzzle AmoebaSisters

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YEAR AT A GLANCE

Chemistry

	First Quarter Grading Period	Second Quarter Grading Period	Third Quarter Grading Period	Fourth Quarter Grading Period
Focus TEKS	Unit 1: 1A,1B,1C, 2I Unit 2: 1C ,2E, 2I, 4A, 4B, 4C, 4D Unit 3: 2A, 2B, 2C, 2D, 2E, 2H, 2I, 3A, 3D, 3F, 5A, 5B, 5C, 6A, 6B, 6C, 6D Unit 4: 1A, 1B, 1C, 2E, 2F, 2H, 2I, 3F, 5C, 6E, 7C, 7D, 7E	Unit 4: 1A, 1B, 1C, 2E, 2F, 2H, 2I, 3F, 5C, 6E, 7C, 7D, 7E Unit 5: 2D, 2E, 2F, 2H, 2I, 7A, 7B Unit 6: 2E, 2F, 2G, 2I, 3F, 8A, 8B, 8C Unit 7: 2D, 2E, 2I, 3F, 8D, 10H	Unit 8: 2E, 2F, 2G, 2H, 2I, 8E Unit 9: 1A, 2D, 2E, 2F, 2G, 2H, 2I, 3F, 9A, 9B, 9C Unit 10: 2E, 2G, 2H, 2I, 10A, 10B, 10C, 10D, 10E, 10F Unit 11: 2E, 2G, 2I, 3F, 10G, 10H, 10I, 10J	Unit 11: 2E, 2G, 2I, 3F, 10G, 10H, 10I, 10J Unit 12: 2E, 2F, 2I, 11A, 11B, 11C, 11D, 11E, 2G, 3F, 10G, 10H, 10I, 10J Unit 13: 2D, 2I, 3B, 3D, 3E, 12A, 12B, 12C Unit 14: 2E, 2I, 3B, 3C, 3D, 3E
Topic Focus	Unit 1: Laboratory Management Unit 2: Matter Unit 3: Atomic Structure and the Periodic Table Unit 4: Chemical Bonding	Unit 4: Chemical Bonding Unit 5: Chemical Formulas Unit 6: Mole Concept Unit 7: Chemical Equations and Reactions	Unit 8: Stoichiometry Unit 9: Gases Unit 10: Solutions Unit 11: Reactivity	Unit 11: Reactivity Unit 12: Thermochemistry Unit 13: Nuclear Chemistry Unit 14: Chemistry Connections
Resources	Textbook KHAN Academy PhET Simulator Texas Gateway Google Classroom	Textbook KHAN Academy PhET Simulator Texas Gateway Google Classroom	Textbook KHAN Academy PhET Simulator Texas Gateway Google Classroom	Textbook KHAN Academy PhET Simulator Texas Gateway Google Classroom

	First Quarter Grading Period	Second Quarter Grading Period	Third Quarter Grading Period	Fourth Quarter Grading Period
Focus TEKS	Unit 1 C.1A, C.1B, C.1C, C.2A, C.2B, C.2C, C.2D, C.2E, C.2F, C.2G, C.2H, C.2I Unit 2 C.1A-C, C.2A-I C.3B, C.3C, C.3E, C. 4A, C.4B, C.4C, C.4D, C.11A, C.11B, C.11C, C.11D, C.11E Unit 3 C.1A-C, C.2A-I C.3A, C.3D, C.3F, C. 6A, C.6D, C.8A, C.8B, C.8C	Unit 4 C.1A-C, C.2A-I C.3A, C.3D, C.3F, C.6A, C.6B, C.6C Unit 5 C.1A-C, C.2A-I C.3F, C.5A, C.5B, C.5C Unit 6 C.1A-C, C.2A-IC.6E, C.7A	Unit 7 C.1A-C, C.2A-I C.8D, C.10H Unit 8 C.1A-C, C.2A-I C.8E Unit 9 C.1A-C, C.2A-I C.4C, C.9A, C.9B, C.9C	Unit 10 C.1A-C, C.2A-I C.10A, C.10B, C.10C, C.10D, C.10E, C.10F Unit 11 C.1A-C, C.2A-I C.10G, C.10H, C.10I, C.10J Unit 12 C.12A, C.12B, C.12C Unit 13 C.1A-C, C.2A-I Enrichment unit with no TEKS
Topic Focus	Unit 1 Scientific Method & Measurement Unit 2 Matter & Energy Unit 3 Structure of Matter I	Unit 4 Structure of Matter II Unit 5 Periodicity Unit 6 Chemical Bonding	Unit 7 Chemical Reactions Unit 8 Stoichiometry Unit 9 Phases of Matter	Unit 10 Solutions Unit 11 Acids and Bases Unit 12 Nuclear Chemistry Unit 13 Kinetics and Equilibrium
Resources	Modern Chemistry Unit 1 Chapter 2 Unit 2 Chapter 1 and 16.1 Unit 3 Chapter 3	Modern Chemistry Unit 4 Chapter 4 Unit 5 Chapter 5 Unit 6 Chapters 6 and 7	Modern Chemistry Unit 7 Chapter 8 Unit 8 Chapter 9 Unit 9 Chapters 10 and 11	Modern Chemistry Unit 10 Chapters 12 and 13 Unit 11 Chapters 14 and 15 Unit 12 Chapter 21 Unit 13 Chapters 16, 17 and 18

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YEAR AT A GLANCE

Anatomy & Physiology

	First Quarter Grading Period	Second Quarter Grading Period	Third Quarter Grading Period	Fourth Quarter Grading Period
Focus TEKS	Unit 1 1A, 4A/B,6A/B, 10A Unit 2 3A,4,5D/E,6A/B,8A/B/C, 9A/B, 10A/B Unit 3 3A,4,5B/C/D,6A/B,8B/C/ ,9A/B, 10A/B Unit 4 3A,4D,5A/B/C/D/E,6A/B, 8A/B/C, 9A/B,10A/B	Unit 5 1A,3F,4D,5A/B/E,6A/B, 10C Unit6 1A,3F,6A/B,7A/B/C, 9A/B,10A/D,11C Unit 7 1A,3F,6A/B,8A/B,9B, 10A/B/C	Unit 8 6A/B,8A/B/C,9B, 10A/B/C Unit 9 4D,5C,6A/B,7C,8A/B/C 9A/C, 10A/B/B/D,12A/B Unit 10 6A/B,8A/B/C,9B, 10A/B/C	Unit 11 4A/B/C/D,6A/B, 8A/B/C,9B,10A/B Unit 12 8B,9A/B,10A/C, 11A/B/C Unit 13 12A/B
Topic Focus	Unit 1: Planes & Regions of the Human Body Unit 2: Cells and Cellular Metabolism Unit3: Tissue and Skin Unit 4: Skeletal System	Unit 5: Muscular System Unit 6: Nervous System Unit 7: Integumentary and Endocrine System	Unit 8: Immune and Lymphatic System Unit 9: Blood and Cardiovascular System Unit 10: Respiratory System	Unit 11: Digestive and Urinary System Unit 12: Reproduction and Pregnancy Unit 13: Dissections
Resources	Unit 1 EdPuzzle, Textbook, Padlet, Quia Unit 2 EdPuzzle, Textbook, Padlet, Quia, Quizlet Unit 3 Bozeman Science, Edpuzzle, Quia, Kahoot, Quizlet, Textbook, Models Unit 4 EdPuzzle, Textbook, Quizlet, Kahoot, Models, Padlet, Bozeman Science	Unit 5 Textbook, Models, Padlet, iPads, Virtual Tours, Labs Unit 6 Textbook, Models, Padlet, iPads, Virtual Tours, Labs, United Streaming Unit 7 Textbook, Models, Padlet, iPads, Virtual Tours, Labs, Bozeman Science	Unit 8 Textbook, Models, Padlet, iPads, Virtual Tours, Labs, United Streaming Unit 9 Textbook, Models, Padlet, iPads, Virtual Tours, Labs,Quizlet Unit 10 Textbook, Models, Padlet, iPads, Virtual Tours, Labs, Kahoot	Unit 11 Textbook, Padlet, Models, Padlet, Quizlet,iPads, Virtual Tours, Labs Unit 12 Bozeman Science, Models, Textbook, iPads, EdPuzzle Unit 13 Lab, Bozeman Science, EdPuzzle

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YEAR AT A GLANCE

Environmental Systems

	First Quarter Grading Period	Second Quarter Grading Period	Third Quarter Grading Period	Fourth Quarter Grading Period
Focus TEKS	2K, 3B, 3D, 3E, 3F, 4A, 4B, 5E, 1A, 1B, 2A, 2B, 2E, 2F, 2G, 2H, 2I, 2K, 3B, 4C, 4D, 5C, 5D, 5E, 6A, 6C, 6D, 6E, 9I	1A, 1B, 2A, 2B, 2E, 2F, 2G, 2H, 2I, 2K, 3B, 4C, 4D, 5C, 5D, 5E, 6A, 6C, 6D, 6E, 9I, 3C, 5A, 5B, 5F, 6B, 9E, 9F	1A, 1B, 2A, 2B, 2C, 2D, 2F, 2G, 2J, 2K, 3A, 3B, 3D, 4F, 4G, 4H, 7A, 7B, 7C, 7D, 2G, 2K, 3A, 3B, 4E, 8A, 8B, 8C, 8D, 8E, 9A, 9B, 9C, 9D, 9H	2G, 2K, 3A, 3B, 4E, 8A, 8B, 8C, 8D, 8E, 9A, 9B, 9C, 9D, 9H, 3B, 4C, 4D, 5C, 5D, 5E, 6A, 6C, 6D, 6E, 9I,
Topic Focus	Unit 1 Intro to Environmental Systems Unit 2 Ecology and Populations	Unit 2 Ecology and Populations Unit 3 Water, Air, and Land	Unit 4 Mineral and Energy Resources Unit 5 Health and Our Future	Unit 5 Health and Our Future Unit 6 Freshwater Ecology
Resources	Holt McDougal Environmental Science Textbook: Ch. 1, 2, 4, 5, 6, 7, 8, 9, 10	Textbook: Ch. 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15	Textbook: Ch. 16, 17, 18, 19, 20,21	Textbook: Ch. 20, 21 A Guide to Freshwater Ecolog

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Health Science Theory

	First Quarter Grading Period	Second Quarter Grading Period	Third Quarter Grading Period	Fourth Quarter Grading Period
Focus TEKS	Unit 1 3A(S),3B(S),3C(S), 9D(S),2B(P) Unit 2 5A(P), 5B(P), 6A(P),6B(P),1A(R), 1B(R) Unit 3 11A(S),11B(S),11C(S),10 A(S),10B(S),10C(S)	Unit 4 12A(S), 12B(S), 12C(S), 12D(S) Unit 5 2A(P),2B(P),2C(P), 2D(P), 2E(S), 2F(S), 2G(S)	Unit 6 9A(S), 9B(R),9C(R), 9D(S), 9E(S),9F(S),9G(S),9H(S),9I(S),4 A(S),4B(S),4C(S),4D(S)	Unit 7 13A(S), 13B(S), 13C(S), 13D(S), 13E(S) Unit 8 7A(R), 7B(R)8A(R), 8B(R), 8C(R),
Topic Focus	Unit 1 Communication in Health Care Unit 2 Documentation in Health Care and Meeting Employer expectations Unit 3 Leadership and Ethical Behavior	Unit 4 Maintaining a Safe Environment Unit 5 Applying Academic Standards in Health Science	Unit 6 Applying Knowledge and Skills	Unit 7 Wellness Strategies and Disease Prevention Unit 8 Decision Making and Problem Solving in Health Science
Resources	Diversified Health Occupations Sixth edition Louise Simmers Thomson/Delmar Learning	Diversified Health Occupations Sixth edition Louise Simmers Thomson/Delmar Learning	Diversified Health Occupations Sixth edition Louise Simmers Thomson/Delmar Learning	Diversified Health Occupations Sixth edition Louise Simmers Thomson/Delmar Learning

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YEAR AT A GLANCE

Physics

	First Quarter Grading Period	Second Quarter Grading Period	Third Quarter Grading Period	Fourth Quarter Grading Period
Focus TEKS	Unit 1: B1A, (P) B1 B (P) B2A (P), B (P), C(P), D (P), E(P), F(P), G(P), H (P) B3A(P), B(P), C(P), D(P), E(P) Unit 2: 1A-B, 2B, 2C, 2E, 2F, 2H, 2I, 2J, 2K, 2L, 3A-F, 4A, 4B, 4F Unit 3: 4A-C Unit 4: 4A-D	Unit 5: 1A-B, 2B-C, 2E-L, 3A-F, 2C-D Unit 6: 6A-C	Unit 7: 4C Unit 8: 6D Unit 9: 6E Unit 10: 6F Unit 11: 6E, 6G Unit 12: 7A-D	Unit 13: 7A-D Unit 14: 5A, 5C, 5E Unit 15: 5C-D Unit 16: 5D, 5F Unit 17: 5F Unit 18: 7D-E
Topic Focus	Unit 1: Science Safety Scientific Method & investigations Unit 2: One Dimensional Motion Unit 3: Projectile Motion Unit 4: Newton's Laws of Motion	Unit 4 cont: Newton's Laws of Motion Unit 5: Momentum, Conservation of Momentum Unit 6: Work and Energy	Unit 7: Circular Motion Unit 8: Fluid Dynamics Unit 9: Temperature and Heat Unit 10: Heat Transfer Unit 11: Thermodynamics Unit 12: Wave Mechanics	Unit 13: Sound and Light Unit 14: Electrostatics Unit 15: Electric Fields and Potential Unit 16: Electric Current Unit 17: Electric Circuits Unit 18: Optics
Resources	Textbook Google Classroom GPB videos YouTube Quizizz Quizlet Nearpod Socrative EDpuzzle Phet Glencoe virtual labs Kahoot Physicsclassroom.com Murray physics worksheets	Textbook Google Classroom GPB videos YouTube Quizizz Quizlet Nearpod Socrative EDpuzzle Phet Glencoe virtual labs Kahoot Physicsclassroom.com Murray physics worksheets	Textbook Google Classroom GPB videos YouTube Quizizz Quizlet Nearpod Socrative EDpuzzle Phet Glencoe virtual labs Kahoot Physicsclassroom.com Murray physics worksheets	Textbook Google Classroom GPB videos YouTube Quizizz Quizlet Nearpod Socrative EDpuzzle Phet Glencoe virtual labs Kahoot Physicsclassroom.com Murray physics worksheets

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YEAR AT A GLANCE

Physics PreAP

	First Quarter Grading Period	Second Quarter Grading Period	Third Quarter Grading Period	Fourth Quarter Grading Period
Focus TEKS	Unit 1 1A, 1B,2A, 2B,2C, 2D, 2E, 2F, 2G, 2H, 2I, 2J, 3A,3B,3C,3D,3E Unit 2 4A, 4B, 4C, 4D Unit 3 3F, 4C, 4F Unit 4 1A-B 2A-J 3A-E 4A-D	Unit 5 1A-B, 2A-J, 3A-E, 4A-D, 6C, 6D Unit 6 1A-B, 2A-J, 3A-E, 4A-D, 6A, 6B, 6C, 6D Unit 7 1A-B, 2A-J, 3A-E, 4C, 5A-C	Unit 8 1A-B, 2A-J, 3A-E, 6F Unit 9 1A-B, 2A-J, 3A-E, 6E, 6F Unit 10 1A-B, 2A-J, 3A-E, 6E, 6G Unit 11 7A, 7B, 7C, 7D Unit 12 1A-B, 2A-J, 3A-E, 7B, 7C, 7D, 7E, 7F	Unit 13 1A-B, 2A-J, 3A-E5A, 5C, 5D, 5E Unit 14 1A-B, 2A-J, 3A-E, 5E, 6B, 5F Unit 15 1A-B, 2A-J, 3A-E, 5A, 5D, 5G, 7B, 7C, 7F, 8A Unit 16 1A-B, 2A-J, 3A-E, 2C, 3D, 5A, 5H, 8A, 8C
Topic Focus	Unit 1: Science Safety Scientific Method & investigations Unit 2: Linear Motion Kinematics Unit 3: Projectile Motion Vectors Unit 4: Newton's Three Laws	Unit 5 Momentum Unit 6 Energy Unit 7 Circular Motion Universal Gravitation	Unit 8 Density Fluid Mechanics Unit 9 Temperature Heat Unit 10 Thermodynamics Unit 11 Wave Mechanics Unit 12 Optics	Unit 13 Electrostatics Fields & Potentials Unit 14 Electric Current Circuits Unit 15 Magnetism Unit 16 The atom & Quanta
Resources	Texas Physics By Serway & Faughn Physics- A laboratory Manual Physics with Vernier - lab manual PHET Simulator Google Classroom	Texas Physics By Serway & Faughn Physics- A laboratory Manual Physics with Vernier - lab manual PHET Simulator Google Classroom	Texas Physics By Serway & Faughn Physics- A laboratory Manual Physics with Vernier - lab manual PHET Simulator Google Classroom	Texas Physics By Serway & Faughn Physics- A laboratory Manual Physics with Vernier - lab manual PHET Simulator Google Classroom

	First Quarter Grading Period	Second Quarter Grading Period	Third Quarter Grading Period	Fourth Quarter Grading Period
Focus TEKS	Unit 1 2M(S) Unit 2 2O(S), 2P(S), 2Q(S),2N(S) Unit 3 7A(R),7B(R), 8A(R), 8B(R), 1A(R),5A(R), 5B(R),6(R), 10E(S),11A(S), Unit 4 1B(R),1C(R),4A(S),4B(S),4C(S), 8A(S)	Unit 5 9A,B,C,D,E(S) Unit6 11B(S), 11C(S),2H(S) Unit 7 2A,B,C,D,E,F(P)	Unit 8 10A(S),10C(S),10E(S) Unit 9 10B(S),2G(S),2I(S),2J(S),2K(S), 2L(S), 10C(S),10D(S)	Unit 10 3A(S),3B(S),3C(S),3D(S) Unit 11 12A(S), 12B(S), 12C(S)
Topic Focus	Unit 1 History of Health Care Unit 2 Health Care Systems/Pathways Unit3 Careers in Health Care Unit 4 Leadership and Teamwork in Health Care	Unit 5 Ethics and Legal Responsibilities Unit 6 Safety Requirements in Health Science Unit 7 Using Data and Measurement in Health Science	Unit 8 Individual Rights and Choices Unit 9 Wellness Principles in Health Science	Unit 10 Communication in Health Care Unit 11 Technology in Health Care
Resources	Introduction to Health Science Technology 2nd Edition Delmar/Cengage	Introduction to Health Science Technology 2nd Edition Delmar/Cengage	Introduction to Health Science Technology 2nd Edition Delmar/Cengage	Introduction to Health Science Technology 2nd Edition Delmar/Cengage