

6th Grade Science
Pacing Guide First Semester
1st Quarter Unit

Title: Energy and Earth's Resources

Essential Questions:

What is energy?

How does energy transfer?

How is energy transferred and conserved?

What is the relationship between heat and temperature?

What are Earth's natural resources?

How do we use nonrenewable energy resources?

How do humans use renewable energy resources?

Why should natural resources be managed?

Grade Readiness

Skills (behaviors): Students can:

- use evidence to explain the cause-and-effect relationship between the speed of an object and the energy of an object (4.PS3.1).
- observe and explain the relationship between potential energy and kinetic energy (4.PS3.2).
- recognize that energy is present when objects move; describe the effects of energy transfer from one object to another (3.PS3.2).
- describe how stored energy can be converted into another form for practical use (4.PS3.3).
- obtain and combine information to describe that energy and fuels are derived from natural resources and that some energy and fuel sources are renewable (sunlight, wind, water) and some are not (fossil fuels, minerals) (4.ESS.3.1).

Knowledge (Standards): Students who demonstrate understanding can:

- compare and give examples of kinetic and potential energy.
- classify an object's energy as either kinetic energy, potential energy, or both.
- describe mechanical energy.
- describe different forms of energy.
- describe examples of different forms of energy.

Pacing	Instruct. Days	TN Standards	Differentiation (ELL, SPED, Intervention, Enrichment)	Writing/Reading Focus	Resources	Assessments/ District Benchmarks/ State Exams
Quarter 1 Week 1	5	Procedures and diagnostic test (Covering all TN standards)	Additional time and/or read aloud Small group instruction and/or peer tutoring Visual examples & hands-on activities Reteaching when needed Researching Videos, PowerPoints, flashcards	Sequential sequence Explain cause and effect Analyze and interpret data Draw conclusions Compare and contrast Diagram	See 6 th Grade resource folder	Quick checks science diagnostic test

			Real-world STEM connection or STEM careers	Infer		
Quarter 1 Week 2	5	6.PS3.1	Additional time and/or read aloud Small group instruction and/or peer tutoring Visual examples & hands-on activities Reteaching when needed Researching Videos, PowerPoints, flashcards Real-world STEM connection or STEM careers	Construct an argument or explanation Use evidence Compare and contrast Analyze	See 6 th Grade resource folder	Bell work Exit ticket Quick checks Science techbook resources, quizzes, and test
Quarter 1 Week 3	5	6.PS3.2 6.ETS1.2	Additional time and/or read aloud Small group instruction and/or peer tutoring Visual examples & hands-on activities Reteaching when needed Researching Videos, PowerPoints, flashcards Real-world STEM connection or STEM careers	Construct an explanation Sequential sequence Cause and effect Compare and contrast Collect and interpret data Create solutions Analyze and ask questions Create and interpret graphs	See 6 th Grade resource folder	Bell work Exit ticket Quick checks Science techbook resources, quizzes, and test
Quarter 1 Week 4	5	6.PS3.3	Additional time and/or read aloud Small group instruction and/or peer tutoring Visual examples & hands-on activities Reteaching when needed Researching Videos, PowerPoints, flashcards Real-world STEM connection or STEM careers	Analyze, collect and interpret data Cause and effect Ask questions Create and interpret graphs Write a claim, use evidence and reasoning Develop a model	See 6 th Grade resource folder	Bell work Exit ticket Quick checks Science techbook resources, quizzes, and test

Quarter 1 Week 5	4	6.ESS3.1	<p>Additional time and/or read aloud</p> <p>Small group instruction and/or peer tutoring</p> <p>Visual examples & hands-on activities</p> <p>Reteaching when needed</p> <p>Researching</p> <p>Videos, PowerPoints, flashcards</p> <p>Real-world STEM connection or STEM careers</p>	<p>Ask questions</p> <p>Identify patterns</p> <p>Define problems and construct explanations</p> <p>Design solutions</p> <p>Cause and effect</p> <p>Evaluate</p> <p>Communicate information</p>	See 6 th Grade resource folder	<p>Bell work</p> <p>Exit ticket</p> <p>Quick checks</p> <p>Science techbook resources, quizzes, and test</p>
Quarter 1 Week 6	5	6.ESS3.2	<p>Additional time and/or read aloud</p> <p>Small group instruction and/or peer tutoring</p> <p>Visual examples & hands-on activities</p> <p>Reteaching when needed</p> <p>Researching</p> <p>Videos, PowerPoints, flashcards</p> <p>Real-world STEM connection or STEM careers</p>	<p>Investigate and evaluate</p> <p>Compare and contrast</p> <p>Communicate information</p> <p>Create an argument</p> <p>Use evidence</p> <p>Predict effects</p>	See 6 th Grade resource folder	<p>Bell work</p> <p>Exit ticket</p> <p>Quick checks</p> <p>Science techbook resources, quizzes, and test</p>
Quarter 1 Week 7	5	6.PS3.4	<p>Additional time and/or read aloud</p> <p>Small group instruction and/or peer tutoring</p> <p>Visual examples & hands-on activities</p> <p>Reteaching when needed</p> <p>Researching</p> <p>Videos, PowerPoints, flashcards</p> <p>Real-world STEM connection or STEM careers</p>	<p>Sequential sequence</p> <p>Cause and effect</p> <p>Construct a claim</p> <p>Use evidence</p>	See 6 th Grade resource folder	<p>Bell work</p> <p>Exit ticket</p> <p>Quick checks</p> <p>Science techbook resources, quizzes, and test</p>
Quarter 1 Week 8	5	6.ESS2.2	<p>Additional time and/or read aloud</p> <p>Small group instruction and/or peer tutoring</p>	<p>Diagram</p> <p>Construct an explanation</p> <p>Create a model</p>	See 6 th Grade resource folder	<p>Bell work</p> <p>Exit ticket</p> <p>Quick checks</p>

			Visual examples & hands-on activities Reteaching when needed Researching Videos, PowerPoints, flashcards Real-world STEM connection or STEM careers	Cause and effect		Science techbook resources, quizzes, and test
Quarter 1 Week 9	5	Review and CASE test standards: 6.PS3.1 6.PS3.2 6.PS3.3 6.ETS1.2 6.ESS3.1 6.ESS3.2 6.PS3.4	Additional time and/or read aloud Small group instruction and/or peer tutoring Visual examples & hands-on activities Reteaching when needed Researching Videos, PowerPoints, flashcards Real-world STEM connection or STEM careers	Sequential sequence Cause and effect Analyze and explain Draw conclusions Compare and contrast Diagram Use evidence	See 6 th Grade resource folder	CASE benchmark Bell work Exit ticket Quick checks Science techbook resources, quizzes, and test

6th Grade Science
Pacing Guide First Semester
2nd Quarter Unit

Title: Earth's Systems and Biomes

Essential Questions:

How and why is Earth constantly changing?
How does energy move through Earth's system?
How does water change state and move around on Earth?
How does water move in the ocean? What are convection currents and their patterns?
What impact can human activities have on water resources?
What tools do we use to predict weather?
How is climate affected by energy from the sun and variations on Earth's surface?
What is weather and how can we describe different types of weather conditions?
What are terrestrial biomes?
What are aquatic ecosystems?
How do organisms interact with the abiotic and biotic elements of their environment?
Within each biome, what types of patterns occur between the abiotic and biotic elements?

Grade Readiness

Skills (behaviors): Students can:

- explain the cycle of water on Earth (3.ESS2.1).
- create an argument, using evidence from research, that human activity (farming, mining, building) can affect the land and ocean in positive and/or negative ways (4.ESS3.2).
- incorporate weather data to describe major climates (polar, temperate, and tropical) in different regions of the world (3.ESS2.4).
- relate the tilt of the Earth's axis, as it revolves around the sun, to the varying intensities of sunlight at different latitudes. Evaluate how this causes changes in day-length and seasons (5.ESS1.5).
- associate major cloud types (nimbus, cumulus, cirrus, and stratus) with weather conditions (3.ESS2.2).
- use tables, graphs, and tools to describe precipitation, temperature, and wind (direction and speed) to determine local weather and climate (3.ESS2.3).
- develop models of terrestrial and aquatic food chains to describe the movement of energy among producers, herbivores, carnivores, omnivores, and decomposers (4.LS2.2).
- using information about the roles of organisms (producers, consumers, decomposers), evaluate how those roles in food chains are interconnected in a food web, and communicate how the organisms are continuously able to meet their needs in a stable food web (4.LS2.3).

Knowledge (Standards): Students who demonstrate understanding can:

- explain water's importance to Earth's surface and weather, and to living organisms, including humans.
- describe the distribution of water on Earth.
- describe the structure of water.
- explain why water is a polar molecule.
- describe the three states of water on Earth.
- describe the properties of water in each of these three states.
- define the water cycle.
- describe the states of matter and how changes of state occur.

- define and describe three ways that water reaches the atmosphere.
- define and describe condensation and precipitation.
- describe what happens to water after it falls to Earth.
- describe examples of two things that the water cycle transports.
- define weather.
- explain how each of the following relates to weather and how each is measured: Temperature, Humidity, Precipitation, Air pressure, Wind direction and speed, Visibility.
- describe technology that is used in weather data collection.

Pacing	Instruct. Days	TN Standards	Differentiation (ELL, SPED, Intervention, Enrichment)	Writing/Reading Focus	Resources	Assessments/ District Benchmarks/ State Exams
Quarter 2 Week 1	5	6.ESS2.1	Additional time and/or read aloud Small group instruction and/or peer tutoring Visual examples & hands-on activities Reteaching when needed Researching Videos, PowerPoints, flashcards Real-world STEM connection or STEM careers	Justify Obtain and communicate information Cause and effect Gather evidence and create an argument from evidence Construct an explanation Identify patterns	See 6 th Grade resource folder	Bell work Exit ticket Quick checks Science techbook resources, quizzes, and test
Quarter 2 Week 2	5	6.ESS2.4	Additional time and/or read aloud Small group instruction and/or peer tutoring Visual examples & hands-on activities Reteaching when needed Researching Videos, PowerPoints, flashcards Real-world STEM connection or STEM careers	Collect, analyze, and interpret data Create a model Cause and effect Obtain evaluate and communicate information Create an argument from evidence	See 6 th Grade resource folder	Bell work Exit ticket Quick checks Science techbook resources, quizzes, and test
Quarter 2 Week 3	5	6.ESS2.3	Additional time and/or read aloud Small group instruction and/or peer tutoring Visual examples & hands-on activities	Construct an explanation Sequential sequence Cause and effect Compare and contrast	See 6 th Grade resource folder	Bell work Exit ticket Quick checks

			Reteaching when needed Researching Videos, PowerPoints, flashcards Real-world STEM connection or STEM careers	Obtain, evaluate, and communicate information Design solutions Develop models		Science techbook resources, quizzes, and test
Quarter 2 Week 4	4	6.ESS2.6	Additional time and/or read aloud Small group instruction and/or peer tutoring Visual examples & hands-on activities Reteaching when needed Researching Videos, PowerPoints, flashcards Real-world STEM connection or STEM careers	Construct an explanation Develop models Cause and effect Analyze symbols and data Infer from observations Create an argument from data	See 6 th Grade resource folder	Bell work Exit ticket Quick checks Science techbook resources, quizzes, and test
Quarter 2 Week 5	5	6.ESS2.6 6.ESS2.5	Additional time and/or read aloud Small group instruction and/or peer tutoring Visual examples & hands-on activities Reteaching when needed Researching Videos, PowerPoints, flashcards Real-world STEM connection or STEM careers	Construct an explanation Develop models Cause and effect Obtain, analyze and interpret symbols and data Infer from observations Create an argument from data Compare and contrast	See 6 th Grade resource folder	Bell work Exit ticket Quick checks Science techbook resources, quizzes, and test
Quarter 2 Week 6	5	6.ESS2.5	Additional time and/or read aloud Small group instruction and/or peer tutoring Visual examples & hands-on activities Reteaching when needed Researching	Construct an explanation Obtain, analyze and interpret symbols and data Infer from data Identify patterns Compare and contrast	See 6 th Grade resource folder	Bell work Exit ticket Quick checks Science techbook resources, quizzes, and test

			Videos, PowerPoints, flashcards Real-world STEM connection or STEM careers			
Quarter 2 Week 7	5	6.LS2.4	Additional time and/or read aloud Small group instruction and/or peer tutoring Visual examples & hands-on activities Reteaching when needed Researching Videos, PowerPoints, flashcards Real-world STEM connection or STEM careers	Use evidence from data Draw conclusions Identify patterns Obtain, evaluate and communicate information Develop models Cause and effect Analyze climate data Infer to predict biomes Compare and contrast Construct an argument and support a claim	See 6 th Grade resource folder	Bell work Exit ticket Quick checks Science techbook resources, quizzes, and test
Quarter 2 Week 8	5	Review and CASE testing standards: 6.ESS2.2 6.ESS2.1 6.ESS2.4 6.ESS2.3 6.ESS2.6 6.ESS2.5	Additional time and/or read aloud Small group instruction and/or peer tutoring Visual examples & hands-on activities Reteaching when needed Researching Videos, PowerPoints, flashcards Real-world STEM connection or STEM careers	Diagram Construct an explanation Cause and effect Compare and contrast Justify Evaluate and communicate information Identify patterns Analyze and interpret information Sequential sequence Design solutions and develop models	See 6 th Grade resource folder	CASE benchmark Bell work Exit ticket Quick checks Science techbook resources, quizzes, and test

6th Grade Science
Pacing Guide Second Semester
3rd Quarter Unit

Title: Relationships Among Organisms and Human Activity

Essential Questions:

How and why do organisms interact with the living and nonliving environments to obtain matter and energy?

How are different parts of the environment connected?

How and why do organisms interact with their environment and what are the effects of these interactions?

How does energy flow through an ecosystem?

How can Earth support life? How do the Earth's surface processes and human activities affect each other?

What impact can human activities have on land resources?

Grade Readiness

Skills (behaviors): Students can:

- develop models of terrestrial and aquatic food chains to describe the movement of energy among producers, herbivores, carnivores, omnivores, and decomposers (4.LS2.2).
- using information about the roles of organisms (producers, consumers, decomposers), evaluate how those roles in food chains are interconnected in a food web, and communicate how the organisms are continuously able to meet their needs in a stable food web (4.LS2.3).
- develop and use models to compare how animals depend on their surroundings and other living things to meet their needs in the places they live (2.LS2.1).
- analyze and interpret data about changes (land characteristics, water distribution, temperature, food, and other organisms) in the environment and describe what mechanisms organisms can use to affect their ability to survive and reproduce (4.LS2.5).
- predict what happens to animals when the environment changes (temperature, cutting down trees, wildfires, pollution, salinity, drought, land preservation) (2.LS2.2).
- create an argument, using evidence from research, that human activity (farming, mining, building) can affect the land and ocean in positive and/or negative ways (4.ESS3.2).
- communicate solutions that will reduce the impact from humans on land, water, air, and other living things in the local environment (K.ESS3.3).
- infer that plant and animal adaptations help them survive in land and aquatic biomes (3.LS4.2).
- develop and use models to determine the effects of introducing a species to or removing a species from an ecosystem and how either one can damage the balance of an ecosystem (4.LS2.4).

Knowledge (Standards): Students who demonstrate understanding can:

- describe the field of ecology.
- distinguish between abiotic and biotic factors.
- describe the different levels of organization in an environment.
- describe the factors that characterize a biome.
- relate ecosystems to biomes.
- identify major land biomes.
- identify major aquatic ecosystems.
- describe why populations live in a specific location.
- explain why humans need water.

- explain why fresh water is a limited resource.
- explain the importance of water quality.
- compare supply and quality.
- define water pollution, point- source pollution, and non-point source pollution.
- define eutrophication and acid rain.
- describe water quality measures and monitoring.
- explain how water quality is maintained in the U.S.
- describe how urbanization can affect water quality.
- define reservoir and urbanization.
- explain how humans affect the freshwater flow and supply.

Pacing	Instruct. Days	TN Standards	Differentiation (ELL, SPED, Intervention, Enrichment)	Writing/Reading Focus	Resources	Assessments/ District Benchmarks/ State Exams
Quarter 3 Week 1	4	6.LS2.4	Additional time and/or read aloud Small group instruction and/or peer tutoring Visual examples & hands-on activities Reteaching when needed Researching Videos, PowerPoints, flashcards Real-world STEM connection or STEM careers	Use evidence from data Draw conclusions Identify patterns Obtain, evaluate and communicate information Develop models Cause and effect Analyze climate data Infer to predict biomes Compare and contrast Construct an argument and support a claim	See 6 th Grade resource folder	Bell work Exit ticket Quick checks Science techbook resources, quizzes, and test
Quarter 3 Week 2	5	6.LS2.3	Additional time and/or read aloud Small group instruction and/or peer tutoring Visual examples & hands-on activities Reteaching when needed Researching Videos, PowerPoints, flashcards	Draw conclusions Infer Develop models Construct an explanation Cause and effect Compare and contrast	See 6 th Grade resource folder	Bell work Exit ticket Quick checks Science techbook resources, quizzes, and test

			Real-world STEM connection or STEM careers			
Quarter 3 Week 3	4	6.LS2.2	Additional time and/or read aloud Small group instruction and/or peer tutoring Visual examples & hands-on activities Reteaching when needed Researching Videos, PowerPoints, flashcards Real-world STEM connection or STEM careers	Use evidence from data Explain Cause and effect Construct an explanation Identify patterns Synthesize evidence Make connections Compare and contrast	See 6 th Grade resource folder	Bell work Exit ticket Quick checks Science techbook resources, quizzes, and test
Quarter 3 Week 4	5	6.LS2.1	Additional time and/or read aloud Small group instruction and/or peer tutoring Visual examples & hands-on activities Reteaching when needed Researching Videos, PowerPoints, flashcards Real-world STEM connection or STEM careers	Evaluate and communicate information Identify patterns Analyze and interpret data Cause and effect Construct an explanation	See 6 th Grade resource folder	Bell work Exit ticket Quick checks Science techbook resources, quizzes, and test
Quarter 3 Week 5	5	6.ESS3.3	Additional time and/or read aloud Small group instruction and/or peer tutoring Visual examples & hands-on activities Reteaching when needed Researching Videos, PowerPoints, flashcards Real-world STEM connection or STEM careers	Obtain, evaluate and communicate information Cause and effect Construct an explanation Design solutions Analyze the impacts of human activities Develop constraints	See 6 th Grade resource folder	Bell work Exit ticket Quick checks Science techbook resources, quizzes, and test
Quarter 3 Week 6	5	6.LS2.7	Additional time and/or read aloud	Compare and contrast	See 6 th Grade resource folder	Bell work Exit ticket

			<p>Small group instruction and/or peer tutoring</p> <p>Visual examples & hands-on activities</p> <p>Reteaching when needed</p> <p>Researching</p> <p>Videos, PowerPoints, flashcards</p> <p>Real-world STEM connection or STEM careers</p>	<p>Ask questions and explain</p> <p>Obtain, evaluate and communicate information</p>		<p>Quick checks</p> <p>Science techbook resources, quizzes, and test</p>
Quarter 3 Week 7	5	6.LS2.5	<p>Additional time and/or read aloud</p> <p>Small group instruction and/or peer tutoring</p> <p>Visual examples & hands-on activities</p> <p>Reteaching when needed</p> <p>Researching</p> <p>Videos, PowerPoints, flashcards</p> <p>Real-world STEM connection or STEM careers</p>	<p>Analyze evidence</p> <p>Design solutions</p> <p>Obtain, evaluate and communicate information</p> <p>Cause and effect</p>	See 6 th Grade resource folder	<p>Bell work</p> <p>Exit ticket</p> <p>Quick checks</p> <p>Science techbook resources, quizzes, and test</p>
Quarter 3 Week 8	4	6.LS2.6	<p>Additional time and/or read aloud</p> <p>Small group instruction and/or peer tutoring</p> <p>Visual examples & hands-on activities</p> <p>Reteaching when needed</p> <p>Researching</p> <p>Videos, PowerPoints, flashcards</p> <p>Real-world STEM connection or STEM careers</p>	<p>Research</p> <p>Obtain, evaluate and communicate information</p> <p>Cause and effect</p> <p>Construct an argument</p>	See 6 th Grade resource folder	<p>Bell work</p> <p>Exit ticket</p> <p>Quick checks</p> <p>Science techbook resources, quizzes, and test</p>
Quarter 3 Week 9	5	6.LS2.6	<p>Additional time and/or read aloud</p> <p>Small group instruction and/or peer tutoring</p> <p>Visual examples & hands-on activities</p>	<p>Research</p> <p>Obtain, evaluate and communicate information</p> <p>Cause and effect</p>	See 6 th Grade resource folder	<p>Bell work</p> <p>Exit ticket</p> <p>Quick checks</p> <p>Science techbook resources, quizzes, and</p>

			Reteaching when needed Researching Videos, PowerPoints, flashcards Real-world STEM connection or STEM careers	Construct an argument		test
Quarter 3 Week 10	5	Review and CASE test over standards: 6.LS2.4 6.LS2.3 6.LS2.2 6.LS2.1 6.ESS3.3 6.LS2.7 6.LS2.5 6.LS2.6	Additional time and/or read aloud Small group instruction and/or peer tutoring Visual examples & hands-on activities Reteaching when needed Researching Videos, PowerPoints, flashcards Real-world STEM connection or STEM careers	Use evidence from data Draw conclusions Identify patterns Obtain, evaluate and communicate information Develop models Cause and effect Analyze climate data Infer to predict biomes Compare and contrast Construct an argument and support a claim	See 6 th Grade resource folder	CASE benchmark Bell work Exit ticket Quick checks Science techbook resources, quizzes, and test

6th Grade Science
Pacing Guide Second Semester
4th Quarter Unit

Title: Ecosystems and Biological Change

Essential Questions:

How and why do organisms interact with their environment and what are the effects of these interactions?

How does biodiversity affect humans?

How do human activities affect ecosystems?

How do ecosystems change?

Grade Readiness

Skills (behaviors): Students can:

- predict what happens to animals when the environment changes (temperature, cutting down trees, wildfires, pollution, salinity, drought, land preservation) (2.LS2.2).
- analyze and interpret data about changes (land characteristics, water distribution, temperature, food, and other organisms) in the environment and describe what mechanisms organisms can use to affect their ability to survive and reproduce (4.LS2.5).
- explain how changes to an environment's biodiversity influence human resources (3.LS4.3).

Knowledge (Standards): Students who demonstrate understanding can:

- explain eutrophication.
- describe succession.
- differentiate primary succession from secondary succession.
- explain the role a pioneer species plays in succession.
- explain how mature ecological communities support biodiversity.
- describe how biodiversity contributes to the sustainability of an ecosystem.
- explain how human activities and pollutants affect ocean ecosystems.
- explain conservation.
- explain how human activities affect ecosystems on land.
- explain how human population growth affects ecosystems.
- define urbanization.
- define exotic species.
- explain how stewardship can help protect Earth's ecosystems.
- describe how maintaining biodiversity enhances a species' chance of survival.

Pacing	Instruct. Days	TN Standards	Differentiation (ELL, SPED, Intervention, Enrichment)	Writing/Reading Focus	Resources	Assessments/ District Benchmarks/ State Exams
Quarter 4 Week 1	5	6.LS4.1	Additional time and/or read aloud Small group instruction and/or peer tutoring Visual examples & hands-on activities	Explain, analyze and interpret Cause and effect Construct an argument	See 6 th Grade resource folder	Bell work Exit ticket Quick checks

			Reteaching when needed Researching Videos, PowerPoints, flashcards Real-world STEM connection or STEM careers			Science techbook resources, quizzes, and test
Quarter 4 Week 2	5	6.LS4.2 6.ETS1.1	Additional time and/or read aloud Small group instruction and/or peer tutoring Visual examples & hands-on activities Reteaching when needed Researching Videos, PowerPoints, flashcards Real-world STEM connection or STEM careers	Design solutions Construct an argument Define problems, evaluate constraints	See 6 th Grade resource folder	Bell work Exit ticket Quick checks Science techbook resources, quizzes, and test
Quarter 4 Week 3	4	Review all major standards. State practice test over all TN science standards.	Additional time and/or read aloud Small group instruction and/or peer tutoring Visual examples & hands-on activities Reteaching when needed Researching Videos, PowerPoints, flashcards Real-world STEM connection or STEM careers	Sequential sequence Infer and explain Cause and effect Analyze and interpret data Draw conclusions Compare and contrast Diagram	See 6 th Grade resource folder	Bell work Exit ticket Quick checks Science techbook resources, quizzes, and test
Quarter 4 Week 4	5	Review all major standards. State practice test over all TN science standards.	Additional time and/or read aloud Small group instruction and/or peer tutoring Visual examples & hands-on activities Reteaching when needed Researching Videos, PowerPoints, flashcards Real-world STEM connection or	Sequential sequence Infer and explain Cause and effect Analyze and interpret data Draw conclusions Compare and contrast Diagram	See 6 th Grade resource folder	Bell work Exit ticket Quick checks Science techbook resources, quizzes, and test

			STEM careers			
Quarter 4 Week 5	5	Science TNReady State Testing	Extended time Read aloud Small group setting	Sequential sequence Infer and explain Cause and effect Analyze and interpret data Draw conclusions Compare and contrast Diagram	Science TNReady State Testing	Science TNReady State Testing
Quarter 4 Week 6	5	STEM Investigations End of Year Activities	Additional time and/or read aloud Small group instruction and/or peer tutoring Visual examples & hands-on activities Reteaching when needed Researching Videos, PowerPoints, flashcards Real-world STEM connection or STEM careers	Design solutions Construct an argument/write Define problems/explain Evaluate constraints Create models Draw conclusions and infer Analyze, interpret, and communicate information	See 6 th Grade resource folder	Bell work Exit ticket Quick checks Science techbook resources, quizzes, and test
Quarter 4 Week 7	5	STEM Investigations End of Year Activities	Additional time and/or read aloud Small group instruction and/or peer tutoring Visual examples & hands-on activities Reteaching when needed Researching Videos, PowerPoints, flashcards Real-world STEM connection or STEM careers	Design solutions Construct an argument/write Define problems/explain Evaluate constraints Create models Draw conclusions and infer Analyze, interpret, and communicate information	See 6 th Grade resource folder	Bell work Exit ticket Quick checks Science techbook resources, quizzes, and test

Quarter 4 Week 8	5	STEM Investigations End of Year Activities	<p>Additional time and/or read aloud</p> <p>Small group instruction and/or peer tutoring</p> <p>Visual examples & hands-on activities</p> <p>Reteaching when needed</p> <p>Researching</p> <p>Videos, PowerPoints, flashcards</p> <p>Real-world STEM connection or STEM careers</p>	<p>Design solutions</p> <p>Construct an argument/write</p> <p>Define problems/explain</p> <p>Evaluate constraints</p> <p>Create models</p> <p>Draw conclusions and infer</p> <p>Analyze, interpret, and communicate information</p>	See 6 th Grade resource folder	<p>Bell work</p> <p>Exit ticket</p> <p>Quick checks</p> <p>Science techbook resources, quizzes, and test</p>
Quarter 4 Week 9	5	STEM Investigations End of Year Activities	<p>Additional time and/or read aloud</p> <p>Small group instruction and/or peer tutoring</p> <p>Visual examples & hands-on activities</p> <p>Reteaching when needed</p> <p>Researching</p> <p>Videos, PowerPoints, flashcards</p> <p>Real-world STEM connection or STEM careers</p>	<p>Design solutions</p> <p>Construct an argument/write</p> <p>Define problems/explain</p> <p>Evaluate constraints</p> <p>Create models</p> <p>Draw conclusions and infer</p> <p>Analyze, interpret, and communicate information</p>	See 6 th Grade resource folder	<p>Bell work</p> <p>Exit ticket</p> <p>Quick checks</p> <p>Science techbook resources, quizzes, and test</p>