Updated: 06/01/25

Wimberley ISD 4th Grade Science

SCOPE AND SEQUENCE 2025-2026

Week	TEKS	Readiness and Supporting Standards
FIRST GRADING PERIOD		
8/14 W1 2 Day Week	**Science Investigations** 4.1.A **Science Practices** 4.1.B	**Scientific and Engineering Practices** · Ask questions and define problems based on observations or information from text, phenomena, models, or investigations · Use scientific practices to plan and conduct descriptive investigations · Use engineering practices to design solutions to problems
8/18 W2	**Science Lab Safety** 4.1.C	**Unit 1: Investigating Physical Properties of Matter** · Demonstrate safe practices and the use of safety equipment during classroom field investigations

TEKS
Readiness Standards - Pink
Supporting Standards - Blue

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8/25 W3	**Science Tools and Measurement** 4.1.D 4.1.F	**Scientific and Engineering Practices** · Use tools · Observe, measure, test, and analyze information · Construct appropriate graphic organizers to collect data
9/1 W4 4 Day Week	**Scientific and Engineering Practices** 4.5.A **Matter and Energy** 4.6.A	**Scientific and Engineering Practices** · Identify and use patterns to explain scientific phenomena or to design solutions **Matter and Energy** ·Classify and describe matter using observable physical properties, including temperature, mass, magnetism, relative density (ability to sink/float) and physical state (solid, liquid,gas)
9/8 W5	**Science Tools and Measurement** 4.1.E 4.2.C 4.5.D	**Unit 2: Investigating Mixtures** · Collect observations and measurements as evidence · Use mathematical calculations to compare patterns and relationships · Examine and model the parts of a system and their interdependence in the function of a system
9/15 W6	**Matter and Energy** 4.6.B 4.6.C	**Matter: Comparing Mixtures including Solutions** · Investigate and compare a variety of mixtures, including solutions that are composed of liquids in liquids and solids in liquids. · Demonstrate that matter is conserved when mixtures such as soil and water or oil and water are formed.

TEKS
Readiness Standards - Pink
Supporting Standards - Blue

9/22 W7	**Force, Motion, and Energy** 4.7 **Scientific and Engineering Practices** 4.2.D 4.3.A 4.5A	**Unit 3: Investigating Force and Motion** · The student knows the nature of forces and the patterns of their interactions. · Plan and conduct descriptive investigations to explore the patterns of forces such as gravity, friction, or magnetism ·Evaluate a design or object using criteria · Develop explanations and propose solutions supported by data and models · Identify and use patterns to explain scientific phenomena and design solutions
9/29 W8	**Force, Motion, and Energy** 4.7 **Scientific and Engineering Practices** 4.2.D 4.3.A 4.5.A	**Force, Motion, and Energy** · The student knows the nature of forces and the patterns of their interactions. · Plan and conduct descriptive investigations to explore the patterns of forces such as gravity, friction, or magnetism ·Evaluate a design or object using criteria · Develop explanations and propose solutions supported by data and models · Identify and use patterns to explain scientific phenomena and design solutions
10/6 W9 4 Day Week	**Force, Motion, and Energy** 4.7	**Force, Motion, and Energy** · The student knows the nature of forces and the patterns of their interactions. · Plan and conduct descriptive investigations to explore the patterns of forces such as gravity, friction, or magnetism
SECOND GRADING PERIOD		

TEKS
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Supporting Standards - Blue

10/13 W10 4 Day Week	**Force, Motion, and Energy** 4.8.A	**Unit 4: Investigating Energy** **Transfer of Energy** · Investigate and identify the transfer of energy by objects in motion, waves in water, and sound
10/20 W11	**Force, Motion, and Energy** 4.8.A	**Transfer of Energy** · Investigate and identify the transfer of energy by objects in motion, waves in water, and sound
10/27 W12	**Force, Motion, and Energy** 4.8.A	**Transfer of Energy** · Investigate and identify the transfer of energy by objects in motion, waves in water, and sound
11/3 W13	**Force, Motion, and Energy** 4.8.B	**Electricity, Conductors, and Insulators** · Identify conductors and insulators of thermal and electric energy
11/10 W14	**Force, Motion, and Energy** 4.8.C	**Electricity, Conductors, and Insulators - Electrical Circuits** · Demonstrate and describe how electrical energy travels in a closed path that can produce light and thermal energy

TEKS
Readiness Standards - Pink
Supporting Standards - Blue

11/17 W15	**Force, Motion, and Energy** 4.8.C **Scientific and Engineering Practices** 4.5.A 4.5.B	**Electricity, Conductors, and Insulators - Electrical Circuits** · Demonstrate and describe how electrical energy travels in a closed path that can produce light and thermal energy **Scientific and Engineering Practices** · Identify and use patterns to explain scientific phenomena or to design solutions · Identify and investigate cause-and-effect relationships to explain scientific phenomena or analyze problems
11/24-11/28	**Thanksgiving Break**	
12/1 W16	**Earth and Space** 4.10.A 4.5.E 4.1.G 4.2.B	**Unit 5: Investigating Weather and Climate** **Processes on Earth** · Describe and illustrate the continuous movement of water above and on the surface of Earth through the water cycle. · Explain the role of the Sun as a major source of energy in this process. · Investigate the flow of energy and cycling of matter through systems ·Develop and use models to represent phenomena, objects, and processes or design a prototype for a solution to a problem ·Analyze data by identifying any significant features, patterns, or sources of error

TEKS
Readiness Standards - Pink
Supporting Standards - Blue

12/8 W17	**Earth and Space** 4.10.A 4.5.E 4.1.G 4.2.B	**Processes on Earth** · Describe and illustrate the continuous movement of water above and on the surface of Earth through the water cycle. · Explain the role of the Sun as a major source of energy in this process. · Investigate the flow of energy and cycling of matter through systems ·Develop and use models to represent phenomena, objects, and processes or design a prototype for a solution to a problem ·Analyze data by identifying any significant features, patterns, or sources of error
12/15 W18 3 ½ Day Week	**Earth and Space** 4.10.A 4.5.E	**Processes on Earth** · Describe and illustrate the continuous movement of water above and on the surface of Earth through the water cycle. · Explain the role of the Sun as a major source of energy in this process. · Investigate the flow of energy and cycling of matter through systems
12/19-1/5	**Christmas Break**	
THIRD GRADING PERIOD		
1/5 W19 4 Day Week **PD Monday**	**Earth and Space** 4.10.C 4.5.A	**Unit 5: Investigating Weather and Climate Continued** **Processes on Earth** · Differentiate between weather and climate · Identify and use patterns to explain scientific or to design solutions

TEKS
Readiness Standards - Pink
Supporting Standards - Blue

1/12 W20	**Earth and Space** 4.10.C 4.5.A	**Processes on Earth** · Differentiate between weather and climate · Identify and use patterns to explain scientific or to design solutions
1/19 W21 4 Day Week	**Earth and Space** 4.11.A 4.4.A	**Unit 6: Investigating Natural Resources** **Earth's Resources** · Identify and explain advantages and disadvantages of using Earth's renewable and nonrenewable resources · Conservation of resources ·Explain how scientific discoveries and innovative solutions to problems impact science and society
1/26 W22	**Earth and Space** 4.11.A 4.4.A	**Earth's Resources** · Identify and explain advantages and disadvantages of using Earth's renewable and nonrenewable resources · Conservation of resources ·Explain how scientific discoveries and innovative solutions to problems impact science and society
2/2 W23	**Earth and Space** 4.11.B 4.3.C	**Earth's Resources** · Explain the critical role of energy resources to modern life and how conservation, disposal, and recycling of natural resources impact the environment ·Listen actively to others' explanations ·Identify relevant evidence and engage in respectfully in scientific discussion

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2/9 W24 4 Day Week **PD Friday**	**Earth and Space** 4.11.C	**Earth's Resources** · Determine the physical properties of rocks that allow Earth's natural resources to be stored
2/16 W25 4 Day Week	**Earth and Space** 4.10.B	**Unit 7: Investigating Earth's Patterns of Change** **Processes on Earth** · Model and describe slow changes on Earth's surface caused by weathering, erosion, and deposition from water wind, and ice
2/23 W26	**Earth and Space** 4.10.B	**Processes on Earth** · Model and describe slow changes on Earth's surface caused by weathering, erosion, and deposition from water wind, and ice
3/2 W27	**Earth and Space** 4.9.A 4.1.A 4.4.B 4.5.A	**Unit 8: Investigating Patterns Among the Sun, Earth, and Moon** **Recognizing Patterns** · Collect and analyze data to identify sequences and patterns of change in seasons such as change in temperature and length of daylight. · Ask questions and define problems based on observations or information from text, phenomena, models, or investigations · Research and explore resources…to investigate STEM careers ·Identify and use patterns to explain scientific phenomena or to design solutions

TEKS
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3/9 W28	**Earth and Space** 4.9.B 4.1.A 4.4.B 4.5.A	**Recognizing Patterns** · Collect and analyze data to identify sequences and predict patterns of change in the observable appearance of the Moon from Earth. · Ask questions and define problems based on observations or information from text, phenomena, models, or investigations · Research and explore resources…to investigate STEM careers ·Identify and use patterns to explain scientific phenomena or to design solutions
3/16 - 3/20	**Spring Break**	
FOURTH GRADING PERIOD		
3/23 W29	**Organisms and Environments** 4.12.A 4.2.B 4.3.B 4.5.C 4.5.D 4.5.E	**Unit 9: Investigating Ecosystems** **Roles of the Sun, Producers, Consumers, and Decomposers** · Investigate and explain how most producers can make their own food using sunlights, water, carbon dioxide through cycling of matter ·Analyze data by identifying any significant features, patterns, or sources of error ·Communicate explanations and solutions individually and collaboratively in a variety of settings and formats · Use scale, proportion, and quantity to describe, compare, or model different systems ·Examine and model parts of a system and their interdependence in the function of the system · Investigate the flow of energy and cycling of matter through systems

TEKS
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3/30 W30 4 Day Week	**Organisms and Environments** 4.12.A 4.2.B 4.3.B 4.5.C 4.5.D 4.5.E	**Roles of the Sun, Producers, Consumers, and Decomposers** · Investigate and explain how most producers can make their own food using sunlights, water, carbon dioxide through cycling of matter ·Analyze data by identifying any significant features, patterns, or sources of error ·Communicate explanations and solutions individually and collaboratively in a variety of settings and formats · Use scale, proportion, and quantity to describe, compare, or model different systems ·Examine and model parts of a system and their interdependence in the function of the system · Investigate the flow of energy and cycling of matter through systems
4/6 W31 4 Day Week	**Organisms and Environments** 4.12.B 4.2.B 4.3.B 4.5.C 4.5.D 4.5.E	**Flow of Energy** · Describe the cycling of matter and flow of energy through food webs, including the roles of the Sun, producers, consumers, and decomposers · Predict how changes in the in the ecosystem affect food webs ·Analyze data by identifying any significant features, patterns, or sources of error ·Communicate explanations and solutions individually and collaboratively in a variety of settings and formats · Use scale, proportion, and quantity to describe, compare, or model different systems ·Examine and model parts of a system and their interdependence in the function of the system · Investigate the flow of energy and cycling of matter through systems

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4/13 W32	**Organisms and Environments** 4.12.C 4.2.B 4.3.B 4.5.C 4.5.D 4.5.E	**Fossils** · Describe past environments based on fossil evidence · Identify common Texas fossils ·Analyze data by identifying any significant features, patterns, or sources of error ·Communicate explanations and solutions individually and collaboratively in a variety of settings and formats · Use scale, proportion, and quantity to describe, compare, or model different systems ·Examine and model parts of a system and their interdependence in the function of the system · Investigate the flow of energy and cycling of matter through systems
4/20 W33 **Earth Day**	**Organisms and Environments** 4.13.A 4.1.E 4.2.B 4.5.B 4.5.F	**Unit 10: Investigating Structures and Functions of Organisms** **Plants and Animals: Structures and Functions** · Explore and explain how structures and functions enable survival ·Collect observations and measurements as evidence ·Analyze data by identifying any significant features, patterns, or sources of error · Identify and investigate cause-and-effect relationships to explain scientific phenomena or analyze problems · Explain the relationship between the structure and function of objects, organisms, and systems

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4/27 W34	**Organisms and Environments** 4.13.B 4.1.E 4.2.B 4.5.B 4.5.F	**Plants and Animals: Structures and Functions** · Differentiate between inherited and acquired physical traits of organisms. ·Collect observations and measurements as evidence ·Analyze data by identifying any significant features, patterns, or sources of error · Identify and investigate cause-and-effect relationships to explain scientific phenomena or analyze problems · Explain the relationship between the structure and function of objects, organisms, and systems
5/4 W35	**Organisms and Environments** 4.13.B 4.1.E 4.2.B 4.5.B 4.5.F	**Plants and Animals: Structures and Functions** · Differentiate between inherited and acquired physical traits of organisms. ·Collect observations and measurements as evidence ·Analyze data by identifying any significant features, patterns, or sources of error · Identify and investigate cause-and-effect relationships to explain scientific phenomena or analyze problems · Explain the relationship between the structure and function of objects, organisms, and systems

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5/11 W36 4 Day Week		**Activities Reviewing All Units in Science**
5/18 W37 3 ½ Day Week May 21 Last Day ER		

TEKS
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Supporting Standards - Blue