TEKS Edition Readiness/Supporting Standards Correlation

* Readiness TEKS

Supporting TEKS

Bold text indicates where a standard or part of a standard is assessed. The final bolded lesson set is where an identified standard is considered mastered. All parts of the standard will have been assessed at that time.

Italicized text indicates standard is implicit in the lesson but not explicitly identified.

Level 5

Matter and Energy

5. The student knows that matter has measurable physical properties, and those properties determine how matter is classified, changed, and used.

Standard	Description	Addressed
5.5A*	Classify matter based on measurable, testable, and observable physical properties, including mass, magnetism, physical state (solid, liquid, and gas), relative density (sinking and floating using water as a reference point), solubility in water, and the ability to conduct or insulate thermal energy or electric energy.	Level 5 Matter Spotlights **L1–3**, **4–6** Level 5 Force & Energy (Capstone) L**6–7**, 13–17
5.5B	Demonstrate that some mixtures maintain physical properties of their ingredients such as iron filings and sand and sand and water.	Level 5 Matter Spotlights **L4–6**
5.5C	Identify changes that can occur in the physical properties of the ingredients of solutions such as dissolving salt in water or adding lemon juice to water	Level 5 Matter Spotlights **L4–6**

Force, Motion, and Energy

6. The student knows that energy occurs in many forms and can be observed in cycles, patterns, and systems.

Standard	Description	Addressed
5.6A*	Explore the uses of energy, including mechanical, light, thermal, electrical, and sound energy.	Level 5 Earth Features L24–25 Level 5 Force & Energy (Capstone) L6–7**, 8–9, 10–12, 13–17**
5.6B*	Demonstrate that the flow of electricity in closed circuits can produce light, heat, or sound.	Level 5 Force & Energy (Capstone) **L6–7**, **8–9, 13–17**
5.6C*	Demonstrate that light travels in a straight line until it strikes an object and is reflected or travels through one medium to another and is refracted.	Level 5 Orbit and Rotation **L3–4, 5–7, 10–13, 14, 18–20, 21–22, 25–26**, **27–29** Level 5 Force & Energy (Capstone) **L10–12**, 13–17
5.6D	Design a simple experimental investigation that tests the effect of force on an object.	Level 5 Force & Energy (Capstone) **L2–4, 13–17**

Earth and Space

7. The student knows Earth's surface is constantly changing and consists of useful resources.

Standard	Description	Addressed
5.7A*	Explore the processes that led to the formation of sedimentary rocks and fossil fuels.	Level 5 Earth Features **L18**, 24–25, **26–28**
5.7B*	Recognize how landforms such as deltas, canyons, and sand dunes are the result of changes to Earth's surface by wind, water, or ice.	Level 5 Earth Features L1–2, **6–7, 8–11, 12–17, 19, 20–21, 26–28**

8. The student knows that there are recognizable patterns in the natural world and among the Sun, Earth, and Moon system.

Standard	Description	Addressed
5.8A	Differentiate between weather and climate.	Level 5 Weather & Climate Spotlights **L1–2**
5.8B	Explain how the Sun and the ocean interact in the water cycle.	Level 5 Weather & Climate Spotlights **L3**
5.8C*	Demonstrate that Earth rotates on its axis once approximately every 24 hours causing the day/night cycle and the apparent movement of the Sun across the sky.	Level 5 Orbit and Rotation **L5–7, 8–9, 10–13,** 14**, 15, 16–17, 18–20, 23–24, 27–29**
5.8D	Identify and compare the physical characteristics of the Sun, Earth, and Moon.	Level 5 Orbit and Rotation **L1–2, 3–4,** 18–20, **21–22**, **27–29**

Organisms and Environments

9. The student knows that there are relationships, systems, and cycles within environments.

Standard	Description	Addressed
5.9A*	Observe the way organisms live and survive in their ecosystem by interacting with the living and nonliving components.	Level 5 Ecosystems **L1–2**, 3–5**, 6–7, 8–9,** 10–12**, 15–16, 17, 18–20, 21–22, 23, 24–26**, **27–29**
5.9B*	Describe the flow of energy within a food web, including the roles of the Sun, producers, consumers, and decomposers.	Level 5 Ecosystems L1–2, 3–5, 6–7, **8–9, 13–14, 15–16, 17, 18–20, 21–22, 27–29**
5.9C	Predict the effects of changes in ecosystems caused by living organisms, including humans, such as the overpopulation of grazers or the building of highways.	Level 5 Ecosystems L21–22, **23, 24–26, 27–29**
5.9D	Identify fossils as evidence of past living organisms and the nature of the environments at the time using models.	Level 5 Earth Features **L3–5**

10. The student knows that organisms have structures and behaviors that help them survive within their environments.

Standard	Description	Addressed
5.10A*	Compare the structures and functions of different species that help them live and survive in a specific environment such as hooves on prairie animals or webbed feet in aquatic animals.	Level 5 Ecosystems L1–2, 6–7, **10–12**, **21–22**
5.10B*	Differentiate between inherited traits of plants and animals such as spines on a cactus or shape of a beak and learned behaviors such as an animal learning tricks or a child riding a bicycle.	Level 5 Ecosystems **L10–12**

Level 3 TEKS Tested on State Assessment

Matter and Energy

5. The student knows that matter has measurable physical properties and those properties determine how matter is classified, changed, and used.

Standard	Description	Addressed
3.5C	Predict, observe, and record changes in the state of matter caused by heating or cooling such as ice becoming liquid water, condensation forming on the outside of a glass of ice water, or liquid water being heated to the point of becoming water vapor.	Level 5 Weather and Climate L3

Force, Motion, and Energy

6. The student knows that forces cause change and that energy exists in many forms.

Standard	Description	Addressed
3.6B	Demonstrate and observe how position and motion can be changed by pushing and pulling objects such as swings, balls, and wagons.	Level 5 Force & Energy (Capstone) **L1, 5**

Earth and Space

7. The student knows that Earth consists of natural resources and its surface is constantly changing.

Standard	Description	Addressed
3.7B	Investigate rapid changes in Earth's surface such as volcanic eruptions, earthquakes, and landslides.	Level 5 Earth Features L20–21

8. The student knows there are recognizable patterns in the natural world and among objects in the sky.

Standard	Description	Addressed
3.8D*	Identify the planets in Earth's solar system and their position in relation to the Sun.	Level 5 Orbit and Rotation L8–9, L25–26

Organisms and Environments

9. The student knows and can describe patterns, cycles, systems, and relationships within the environments.

Standard	Description	Addressed
3.9A*	Observe and describe the physical characteristics of environments and how they support populations and communities of plants and animals within an ecosystem.	Level 5 Ecosystems L1–2, 3–5, 6–7, 8–9, 13–14, 15–16, 17, 18–20, 21–22, 23, 24–26, 27–29

10. The student knows that organisms undergo similar life processes and have structures that help them survive within their environments.

Standard	Description	Addressed
3.10B	Investigate and compare how animals and plants undergo a series of orderly changes in their diverse life cycles.	*Level 5 Ecosystems L3, L20*

Level 4 TEKS Tested on State Assessment

Earth and Space

7. The student knows that Earth consists of natural resources and its surface is constantly changing.

Standard	Description	Addressed
4.7A*	Examine properties of soils, including color and texture, capacity to retain water, and ability to support the growth of plants.	Level 5 Ecosystems L15–16
4.7C*	Identify and classify Earth's renewable resources, including air, plants, water, and animals, and nonrenewable resources, including coal, oil, and natural gas, and the importance of conservation.	Level 5 Earth Features **L24–25**

8. The student knows that there are recognizable patterns in the natural world and among the Sun, Earth, and Moon system.

Standard	Description	Addressed
4.8A*	Measure, record, and predict changes in weather.	Level 5 Weather & Climate **L1–2**
4.8B	Describe and illustrate the continuous movement of water above and on the surface of Earth through the water cycle and explain the role of the Sun as a major source of energy in this process.	Level 5 Weather & Climate L3
4.8C	Collect and analyze data to identify sequences and predict patterns of change in shadows, seasons, and the observable appearance of the Moon over time.	Level 5 Weather & Climate L1–2 Level 5 Orbit & Rotation L5–7, **L15, L16–17, L18–20**