Notes

- Aligned items address content included within a student expectation. However, many items do not address all aspects of the student expectation (i.e. SEPs and RTCs connections).
- Partially aligned items do not fully align with TEKS adopted in 2021.

2021 TEKS	2017 TEKS	Aligned	Partially Aligned	Not Aligned	Notes
Matter and Energy **(6)** The student knows that matter has measurable physical properties that determine how matter is identified, classified, changed, and used. The student is expected to:					
A. classify and describe matter using observable physical properties, including temperature, mass, magnetism, relative density (the ability to sink or float in water), and physical state (solid, liquid, gas);	4(5)(A)	2 3 6 7 8 9 10	1	4 5	Volume moved up to grade 5 in 2021.
B. investigate and compare a variety of mixtures, including solutions that are composed of liquids in liquids and solids in liquids; and	4(5)(B)	16 17 18 19 20			
C. demonstrate that matter is conserved when mixtures such as soil and water or oil and water are formed.	NEW				
	4(5)(B) *2010*			11 12 13 14 15	This standard (heating and cooling) was removed during 2017 streamlining.

2021 TEKS	2017 TEKS	Aligned	Partially Aligned	Not Aligned	Notes
Force, Motion, and Energy **(7)** The student knows the nature of forces and the patterns of their interactions. The student is expected to plan and conduct descriptive investigations to explore the patterns of forces such as gravity, friction, or magnetism in contact or at a distance on an object.	4(6)(D)	36 37 38 39 40			
Force, Motion, and Energy **(8)** The student knows that energy is everywhere and can be observed in cycles, patterns, and systems. The student is expected to:					
A. investigate and identify the transfer of energy by objects in motion, waves in water, and sound;	NEW				
B. identify conductors and insulators of thermal and electrical energy; and	4(6)(B)	26 27 28 29 30			
C. demonstrate and describe how electrical energy travels in a closed path that can produce light and thermal energy.	4(6)(C)	31 32 33		34 35	Electromagnets were removed during 2017 streamlining.
	4(6)(A) *2017*			21 22 23 24 25	This standard (forms of energy) was removed in 2021.

2021 TEKS	2017 TEKS	Aligned	Partially Aligned	Not Aligned	Notes
Earth and Space **(9)** The student recognizes patterns among the Sun, Earth, and Moon system and their effects. The student is expected to:					
A. collect and analyze data to identify sequences and predict patterns of change in seasons such as change in temperature and length of daylight; and	4(8)(C)	67		68 69 70	Tides were removed during 2017 streamlining. Shadows were moved to grade 5 in 2021.
B. collect and analyze data to identify sequences and predict patterns of change in the observable appearance of the Moon from Earth.	4(8)(C)	66			
(10) The student knows that there are processes on Earth that create patterns of change. The student is expected to:					
A. 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;	4(8)(B)	61 62 63 64 65			
B. model and describe slow changes to Earth's surface caused by weathering, erosion, and deposition from water, wind, and ice; and	4(7)(B)	46 47 48 49 50			
C. differentiate between weather and climate.	5(8)(A)				This standard moved down from grade 5.
(11) The student understands how natural resources are important and can be managed. The student is expected to:					
A. identify and explain advantages and disadvantages of using Earth's renewable and nonrenewable natural resources such as wind, water, sunlight, plants, animals, coal, oil, and natural gas; and	4(7)(C)	53 54	51 52 55		Explaining advantages and disadvantages of Earth’s resources is new.
B. explain the critical role of energy resources and how conservation, disposal, and recycling of natural resources impact the environment and modern life.	4(1)(B)				This standard did not have WUTS written specifically for it because it was formerly a process skill as opposed to content.

2021 TEKS	2017 TEKS	Aligned	Partially Aligned	Not Aligned	Notes
Earth and Space					
	4(7)(A) *2017*			41 42 43 44 45	This standard (properties of soil) was removed in 2021.
	4(8)(A) *2017*			56 57 58 59 60	This standard (weather) was removed during 2017 streamlining.

2021 TEKS	2017 TEKS	Aligned	Partially Aligned	Not Aligned	Notes
Organisms and Environments **(12)** The student describes patterns, cycles, systems, and relationships within environments. The student is expected to:					
A. investigate and explain how most producers can make their own food using sunlight, water, and carbon dioxide through the cycling of matter;	4(9)(A)	71 72 73 74 75 76			
B. describe the cycling of matter and flow of energy through food webs, including the roles of the Sun, producers, consumers, and decomposers; and	5(9)(C)	79			
C. identify and describe past environments based on fossil evidence, including common Texas fossils.	5(9)(D)				This standard moved down from grade 5 in 2021.
(13) The student knows that organisms undergo similar life processes and have structures that function to help them survive within their environments. The student is expected to:					
A. explore and explain how structures and functions of plants such as waxy leaves and deep roots enable them to survive in their environment; and	4(10)(A)	83 84 85		86 87 88	Structures and functions of animals moved to grade 5 in 2021.
B. differentiate between inherited and acquired physical traits of organisms.	4(10)(B)	92	89 90 93 94	91	Instinctual and learned behaviors moved to grade 5 in 2021.

2021 TEKS	2017 TEKS	Aligned	Partially Aligned	Not Aligned	Notes
Organisms and Environments					
	4(9)(B) *2017*			77 78 80 81 82	This standard (predicting changes to food chains/webs) was removed in 2021.
	4(10)(C) *2017*			95 96 97 98 99 100	This standard (life cycles) was moved to third grade in 2021.

	# of WUTS		
2021 TEKS	**Aligned**	**Partially Aligned**	**Not Aligned**
Matter and Energy	12	1	7
Force, Motion, and Energy	13	0	7
Earth and Space	14	3	13
Organisms and Environments	11	4	15
TOTAL PERCENTAGE	50%	8%	42%