highlights key concepts and student expectations to assist educators in implementing the science Texas Essential Knowledge and Skills (TEKS). The vertical progression of a concept within the science TEKS is provided along with a side-by-side view of the changes implemented in 2024.

Focus: Vertical Alignment of Forms of Energy Hementary School

Level of Study	Prior Science TEKS	TEKSImplemented in 2024	Forms of Energy
Kindergarten	K.6.A use the senses to explore different forms of energy such as light, thermal, and sound;	K.8.A communicate the idea that objects can only be seen when a light source is present and compare the effects of different amounts of light on the appearance of objects; and K.8.B demonstrate and explain that light travels through some objects and is blocked by other objects, creating shadows.	Light
Grade 1	1.6.A identify and discuss how different forms of energy such as light, thermal, and sound are important to everyday life;	*1.8.A investigate and describe applications of heat in everyday life such as cooking food or using a dothes dryer; and	*Heat is the transfer of thermal energy, not a form of energy
Grade 2	2.6.A investigate the effects on objects by increasing or decreasing amounts of light, heat, and sound energy such as how the color of an object appears different in dimmer light or how heat melts butter;	2.8.A demonstrate and explain that sound is made by vibrating matter and that vibrations can be caused by a variety of means, including sound; 2.8.B explain how different levels of sound are used in everyday life such as a whisper in a classroom or a fire alarm; and 2.8.C design and build a device using tools and materials that uses sound to solve the problem of communicating over a distance.	Sound
Grade 3	3.6.A explore different forms of energy, including mechanical, light, sound, and thermal in everyday life;		
		identify conductors and insulators of	
Grade 5			

Focus: Vertical Alignment of Force Interactions High School

Level of Study Prior Science TEKS TEKS Implemented in 2024 Forms of Energy