

RTC & Content TEKS Connections Maps

At-A-Glance by Grade, K-5

The RTC & Content TEKS Connections Maps are provided as a quick reference for linking the RTCs and content strands throughout a Science scope and sequence. For example, the Grade K Map connects a unit covering Properties of Matter per TEKS K.6AC to Patterns, Systems and System Models, Scale, Proportion and Quantity, and Matter and Energy. Strategic implementation of these RTCs in the unit might include only a few that are most relevant to the key concepts addressed in the primary curriculum. As shown in the Grade K Map, there are other opportunities in the instructional sequence to cover the RTCs not embedded in this unit.

We suggest beginning with Patterns. According to a 2021 study published in Psychology Today, the human brain has an innate tendency to look for patterns, even if there aren't any. Patterns are often the most straightforward for students to grasp and utilize, and they also assist us in recognizing and anticipating Cause and Effect Relationships. This understanding allows us to create and apply models that enhance our comprehension and explanation of Systems and System Models.

Reference the RTC & Content TEKS Connections Maps on the following pages for further guidance.

Grade K — RTC & Content TEKS Connections Map At-A-Glance

For the detailed Content TEKS, see the RTC & Content TEKS Connections Map in the Appendix, page 150.

Content TEKS	Patterns K.5A	Cause and Effect Relationships K.5B	Scale, Proportion, and Quantity K.5C	Systems and System Models K.5D	Matter and Energy K.5E	Structure and Function K.5F	Stability and Change K.5G
K.6A	✓		✓	✓	✓		
K.7A		✓			✓		✓
K.8A		✓			✓		✓
K.8B	✓						
K.9A	✓						✓
K.9B	✓			✓			✓
K.10A			✓		✓		
K.10B	✓			✓			✓
K.10C							✓
K.11A					✓	✓	
K.12A				✓			
K.12B				✓			
K.13A						✓	
K.13B						✓	
K.13C				✓		✓	✓

Based on alignment with the Texas Essential Knowledge & Skills 2021

For the full Content TEKS, see the RTC & Content TEKS Connections Map in the Appendix, page 152.

Content TEKS	Patterns	Cause and Effect Relationships	Scale, Proportion, and Quantity	Systems and System Models	Matter and Energy	Structure and Function	Stability and Change
	1.5A	1.5B	1.5C	1.5D	1.5E	1.5F	1.5G
1.6A	✓				✓		
1.6B	✓				✓		
1.6C				✓	✓		✓
1.7A	✓	✓					✓
1.7B		✓					✓
1.8A				✓	✓		✓
1.8B					✓		✓
1.9A	✓						
1.10A	✓		✓		✓		✓
1.10B		✓					
1.10C			✓	✓			✓
1.10D	✓	✓		✓			
1.11A						✓	
1.11B							
1.11C				✓			
1.12A							
1.12B				✓		✓	✓
1.13A	✓	✓		✓		✓	
1.13B	✓	✓			✓		✓
1.13C			✓		✓	✓	✓

Based on alignment with the Texas Essential Knowledge & Skills 2021

For the full Content TEKS, see the RTC & Content TEKS Connections Map in the Appendix. page 154.

Content TEKS	Patterns 2.5A	Cause and Effect Relationships 2.5B	Scale, Proportion, and Quantity 2.5C	Systems and System Models 2.5D	Matter and Energy 2.5E	Structure and Function 2.5F	Stability and Change 2.5G
2.6A	✓				✓		
2.6B	✓	✓			✓		✓
2.6C			✓		✓	✓	✓
2.7A		✓		✓			✓
2.7B		✓		✓			✓
2.8A		✓		✓			✓
2.8B			✓	✓	✓		
2.8C		✓		✓	✓		
2.9A		✓		✓	✓		
2.9B		✓					✓
2.10A	✓	✓		✓	✓		✓
2.10B	✓	✓	✓				✓
2.10C	✓	✓					✓
2.11A	✓		✓				
2.11B		✓		✓	✓		✓
2.12A	✓	✓	✓	✓		✓	✓
2.12B	✓			✓	✓		✓
2.12C				✓			✓
2.13A				✓		✓	
2.13B				✓		✓	
2.13C				✓			✓
2.13D						✓	✓

Based on alignment with the Texas Essential Knowledge & Skills 2021

For the full Content TEKS, see the RTC & Content TEKS Connections Map in the Appendix, page 156.

Content TEKS	Patterns 3.5A	Cause and Effect Relationships 3.5B	Scale, Proportion, and Quantity 3.5C	Systems and System Models 3.5D	Matter and Energy 3.5E	Structure and Function 3.5F	Stability and Change 3.5G
3.6A	✓		✓		✓		
3.6B	✓						
3.6C		✓	✓				✓
3.6D						✓	✓
3.7A			✓	✓			
3.7B		✓					✓
3.8A	✓			✓	✓	✓	
3.8B		✓			✓		
3.9A				✓			
3.9B			✓	✓			
3.10A	✓		✓	✓			✓
3.10B							✓
3.10C				✓			✓
3.11A	✓					✓	✓
3.11B		✓					
3.11C		✓					
3.12A		✓		✓	✓		✓
3.12B		✓		✓	✓		✓
3.12C		✓		✓			✓
3.12D	✓						✓
3.13A					✓	✓	

Based on alignment with the Texas Essential Knowledge & Skills 2021

For the full Content TEKS, see the RTC & Content TEKS Connections Map in the Appendix, page 158.

Content TEKS	Patterns 4.5A	Cause and Effect Relationships 4.5B	Scale, Proportion, and Quantity 4.5C	Systems and System Models 4.5D	Matter and Energy 4.5E	Structure and Function 4.5F	Stability and Change 4.5G
4.6A	✓		✓				
4.6B	✓						
4.6C			✓				✓
4.7A	✓	✓					✓
4.8A		✓		✓	✓		✓
4.8B	✓				✓		
4.8C				✓	✓	✓	✓
4.9A	✓		✓				✓
4.9B	✓	✓	✓	✓			✓
4.10A		✓		✓	✓		
4.10B		✓		✓	✓		
4.10C	✓						
4.11A	✓	✓	✓				
4.11B				✓		✓	
4.11C	✓						
4.12A				✓	✓	✓	
4.12B				✓	✓	✓	✓
4.12C							✓
4.13A	✓	✓		✓		✓	
4.13B	✓					✓	

Based on alignment with the Texas Essential Knowledge & Skills 2021

For the full Content TEKS, see the RTC & Content TEKS Connections Map in the Appendix, page 160.

Content TEKS	Patterns 5.5A	Cause and Effect Relationships 5.5B	Scale, Proportion, and Quantity 5.5C	Systems and System Models 5.5D	Matter and Energy 5.5E	Structure and Function 5.5F	Stability and Change 5.5G
5.6A	✓		✓				
5.6B						✓	
5.6C	✓		✓			✓	✓
5.6D			✓	✓			
5.7A		✓			✓		✓
5.7B		✓		✓	✓		✓
5.8A	✓			✓	✓		✓
5.8B	✓			✓	✓		✓
5.8C	✓			✓	✓		✓
5.9A	✓	✓		✓			✓
5.10A	✓	✓			✓	✓	
5.10B				✓	✓		✓
5.10C		✓	✓	✓			✓
5.11A		✓		✓			✓
5.12A	✓	✓		✓		✓	✓
5.12B	✓	✓		✓	✓		✓
5.12C		✓	✓	✓	✓	✓	✓
5.13A		✓		✓		✓	
5.13B	✓	✓				✓	

Based on alignment with the Texas Essential Knowledge & Skills 2021