

Fifth Grade Science Curriculum Map

Note: The following timeline and sequence is meant to be a guide only and is subject to change.

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Grade Level Content Expectations

	1st Trimester			2nd Trimester			3rd Trimester			Ongoing
	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
S.RS.05.12 Describe limitations in personal and scientific knowledge.										X
Resources:										
S.RS.05.13 Identify the need for evidence in making scientific decisions.										X
Resources:										
S.RS.05.15 Demonstrate scientific concepts through various illustrations, performances, models, exhibits, and activities.										X
Resources:										
S.RS.05.16 Design solutions to problems using technology.										X
Resources:										
S.RS.05.17 Describe the effect humans and other organisms have on the balance in the natural world.										X
Resources:										
S.RS.05.19 Describe how science and technology have advanced because of the contributions of many people throughout history and across cultures.										X
Resources:										
P.FM.05.21 Distinguish between contact forces and non-contact forces.	X	X	X	X	X	X				
Resources:										
P.FM.05.22 Demonstrate contact and non-contact forces to change the motion of an object.	X	X	X	X	X	X				
Resources:										
P.FM.05.31 Describe what happens when two forces act on an object in the same or opposing directions.		X	X	X	X					
Resources:										
P.FM.05.32 Describe how constant motion is the result of balanced (zero net) forces.		X	X	X	X					
Resources:										
P.FM.05.33 Describe how changes in the motion of objects are caused by a non-zero net (unbalanced) force.		X	X	X	X					
Resources:										

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P.FM.05.34 Relate the size of change in motion to the strength of unbalanced forces and the mass of the object.		X	X	X	X						
Resources:											
P.FM.05.41 Explain the motion of an object relative to its point of reference.		X	X	X	X						
Resources:											
P.FM.05.42 Describe the motion of an object in terms of distance, time and direction, as the object moves, and in relationship to other objects.		X	X	X	X						
Resources:											
P.FM.05.43 Illustrate how motion can be measured and represented on a graph.			X	X	X						
Resources:											
L.OL.05.41 Identify the general purpose of selected animal systems (digestive, circulatory, respiratory, skeletal, muscular, nervous, excretory, and reproductive).								X	X		
Resources:											
L.OL.05.42 Explain how animal systems (digestive, circulatory, respiratory, skeletal, muscular, nervous, excretory, and reproductive) work together to perform selected activities.								X	X		
Resources:											
L.HE.05.11 Explain that the traits of an individual are influenced by both the environment and the genetics of the individual.								X	X	X	X
Resources:											
L.HE.05.12 Distinguish between inherited and acquired traits.								X	X	X	X
Resources:											
L.EV.05.11 Explain how behavioral characteristics (adaptation, instinct, learning, habit) of animals help them to survive in their environment.										X	X
Resources:											
L.EV.05.12 Describe the physical characteristics (traits) of organisms that help them survive in their environment.									X	X	X
Resources:											
L.EV.05.13 Describe how fossils provide evidence about how living things and environmental conditions have changed.										X	X
Resources:											

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L.EV.05.14 Analyze the relationship of environmental change and catastrophic events (for example: volcanic eruption, floods, asteroid impacts, tsunami) to species extinction.								X	X		
Resources:											
L.EV.05.21 Relate degree of similarity in anatomical features to the classification of contemporary organisms.										X	X
Resources:											
E.ES.05.61 Demonstrate using a model, seasons as the result of variations in the intensity of sunlight caused by the tilt of the Earth on its axis, and revolution around the sun.						X	X				
Resources:											
E.ES.05.62 Explain how the revolution of the Earth around the sun defines a year.						X	X				
Resources:											
E.ST.05.11 Design a model that describes the position and relationship of the planets and other objects (comets and asteroids) to the sun.							X	X	X		
Resources:											
E.ST.05.21 Describe the motion of planets and moons in terms of rotation on axis and orbits due to gravity.					X	X	X				
Resources:											
E.ST.05.22 Explain moon phases as they relate to the position of the moon in its orbit around the Earth, resulting in the amount of observable reflected light.							X	X	X		
Resources:											
E.ST.05.23 Recognize that nighttime objects (stars and constellations) and the sun appear to move because the Earth rotates on its axis and orbits the sun.					X	X	X				
Resources:											
E.ST.05.24 Explain lunar and solar eclipses based on the relative positions of the Earth, moon, and sun, and the orbit of the moon.						X	X	X			
Resources:											
E.ST.05.25 Explain the tides of the oceans as they relate to the gravitational pull and orbit of the moon.					X	X	X				
Resources:											