

## 1<sup>st</sup> 9-Weeks 5<sup>th</sup> Grade Science

Cluster	Standards		# of Items	Resources	Dates Taught
Ongoing Skills	0507.Inq.1	Select an investigation that could be used to answer a specific question.	3-5	Houghton Mifflin Harcourt Tennessee Science Book, Brain Pop, YouTube, United Streaming	
	0507.T/E.1	Select a tool, technology, or invention that was used to solve a human problem.		Houghton Mifflin Harcourt Tennessee Science Book, Brain Pop, YouTube, United Streaming	
	0507.T/E.2	Recognize the connection between a scientific advance and the development of a new tool or technology.		Houghton Mifflin Harcourt Tennessee Science Book, Brain Pop, YouTube, United Streaming	
LS1: Cells, Flow of Matter & Energy, Heredity	SPI 507.1.1	Identify the major parts of plant and animal cells such as the nucleus, cell membrane, cell wall, and nucleus.	11-17	Houghton Mifflin Harcourt Tennessee Science Book Chapter 1, Brain Pop, YouTube, United Streaming	
	SPI 507.1.2	Compare and contrast basic structures and functions of plant and animal cells.		Houghton Mifflin Harcourt Tennessee Science Book Chapter 1, Brain Pop, YouTube, United Streaming	
	SPI 507.3.1	Identify photosynthesis as the food making process in plants.		Houghton Mifflin Harcourt Tennessee Science Book Chapter 2, Brain Pop, YouTube, United Streaming	
	SPI 507.3.2	Compare how plants and animals obtain energy.		Houghton Mifflin Harcourt Tennessee Science Book Chapter 2, Brain Pop, YouTube, United Streaming	
	SPI 507.4.1	Recognize that information is passed from parent to offspring during reproduction.		Houghton Mifflin Harcourt Tennessee Science Book Chapter 4, Brain Pop, YouTube, United Streaming	
	SPI 507.4.2	Distinguish between inherited traits and those that can be attributed to environment		Houghton Mifflin Harcourt Tennessee Science Book Chapter 4, Brain Pop, YouTube, United Streaming	

## 2<sup>nd</sup> 9-Weeks 5<sup>th</sup> Grade Science

Cluster	Standards		# of Items	Resources	Dates Taught
LS2: Interdependence, Biodiversity, & Change	SPI 507.2.1	Describe the nutritional relationships that exist among organisms.	10-15	Houghton Mifflin Harcourt Tennessee Science Book Chapter 3, Brain Pop, YouTube, United Streaming	
	SPI 507.2.2	Distinguish among symbiosis, commensal, and parasitic relationships.		Houghton Mifflin Harcourt Tennessee Science Book Chapter 3, Brain Pop, YouTube, United Streaming	
	SPI 507.2.3	Use information about the impact of human actions or natural disasters on the environment to support a simple hypothesis, make a prediction, or draw a conclusion.		Houghton Mifflin Harcourt Tennessee Science Book Chapter 3, Brain Pop, YouTube, United Streaming	
	SPI 507.5.1	Identify physical and behavioral adaptations that enable animals such as reptiles, fish, birds, and mammals to survive in a particular environment.		Houghton Mifflin Harcourt Tennessee Science Book Chapter 3, Brain Pop, YouTube, United Streaming	
	SPI 507.5.2	Explain how fossils provide information about the past.		Houghton Mifflin Harcourt Tennessee Science Book Chapter 3, Brain Pop, YouTube, United Streaming	

### 3<sup>rd</sup> 9-Weeks 5<sup>th</sup> Grade Science

Cluster	Standards		# of Items	Resources	Dates Taught
ES: The Universe, The Earth, The Atmosphere	SPI 507.6.1	Distinguish among the planets according to their known characteristics such as appearance, location, composition, and apparent motion	12-19	Houghton Mifflin Harcourt Tennessee Science Book Chapter 5, Brain Pop, YouTube, United Streaming	
	SPI 507.6.2	Select information from a complex data representation to draw conclusions about the planets.		Houghton Mifflin Harcourt Tennessee Science Book Chapter 5, Brain Pop, YouTube, United Streaming	
	SPI 507.6.3	Identify methods and tools for identifying star charts.		Houghton Mifflin Harcourt Tennessee Science Book Chapter 5, Brain Pop, YouTube, United Streaming	
	SPI 507.7.1	Describe internal forces such as volcanoes, earthquakes, faulting, and plate movements that are responsible for the earth's major geological features such as mountains, valleys, etc.		Houghton Mifflin Harcourt Tennessee Science Book Chapter 6, Brain Pop, YouTube, United Streaming	
	SPI 507.8.1	Describe the effects of the oceans on weather and climate.		Houghton Mifflin Harcourt Tennessee Science Book Chapter 7, Brain Pop, YouTube, United Streaming	
	SPI 0507.8.2	Explain how mountains affect weather and climate.		Houghton Mifflin Harcourt Tennessee Science Book Chapter 7, Brain Pop, YouTube, United Streaming	
PS1: Matter and Energy	SPI 507.9.1	Distinguish between chemical and physical properties.	10-15	Houghton Mifflin Harcourt Tennessee Science Book Chapter 8, Brain Pop, YouTube, United Streaming	
	SPI 507.9.2	Describe the differences among freezing, melting, and evaporation.			

	SPI 507.9.3	Describe factors which influence the rate at which different types of material freeze, melt, or evaporate.		Houghton Mifflin Harcourt Tennessee Science Book Chapter 8, Brain Pop, YouTube, United Streaming	
	SPI 507.10.1	Differentiate between potential and kinetic energy.		Houghton Mifflin Harcourt Tennessee Science Book Chapter 9, Brain Pop, YouTube, United Streaming	
	SPI 0507.10.2	Use data from an investigation to determine the method by which heat energy is transferred from one object or material to another.		Houghton Mifflin Harcourt Tennessee Science Book Chapter 9, Brain Pop, YouTube, United Streaming	

### 4<sup>th</sup> 9-Weeks 5<sup>th</sup> Grade Science

Cluster	Standards		# of Items	Resources	Dates Taught
PS2: Motion, Forces in Nature	SPI 507.11.1	Explain the relationship that exists among mass, force, and distance traveled.	7-12	Houghton Mifflin Harcourt Tennessee Science Book Chapter 10, Brain Pop, YouTube, United Streaming	
	SPI 507.12.1	Recognize that the earth attracts objects without touching them.		Houghton Mifflin Harcourt Tennessee Science Book Chapter 10, Brain Pop, YouTube, United Streaming	
	SPI 507.12.2	Identify the force that causes objects to fall to the earth.		Houghton Mifflin Harcourt Tennessee Science Book Chapter 10, Brain Pop, YouTube, United Streaming	
	SPI 507.12.3	Use data to determine how shape affects the rate at which a material falls to earth.		Houghton Mifflin Harcourt Tennessee Science Book Chapter 10, Brain Pop, YouTube, United Streaming	

***\*Review all previously taught skills.***