

1 st Nine Weeks				
Time	Cluster	Standards	Learning Targets	Lesson Topics/Resources
1 st 9 weeks	Engineering, Technology, and Applications of Science	<p>ETS1.1 Design a solution to a real-world problem that includes specified criteria for constraints.</p> <p>ETS1.2 Apply evidence or research to support a design solution.</p> <p>ETS2.1 Identify and demonstrate how technology can be used for different purposes.</p>	<p>I can design a solution to a real-world problem using different criteria.</p> <p>I can use evidence or research to support a design solution.</p> <p>I can use technology for different purposes.</p>	<p>HMH Tennessee Science Unit 1 Lesson 1 and 2</p> <p>HMH Tennessee Science Unit 1 Lesson 4</p> <p>HMH Tennessee Science Unit 1 Lesson 3</p>
	From Molecules to Organisms: Structures and Processes	<p>LS1.1 Analyze the internal and external structures that aquatic and land animals and plants have to support survival, growth, behavior, and reproduction.</p>	<p>I can analyze the internal and external structures that aquatic animals have to support survival, growth, behavior, and reproduction.</p>	<p>HMH Tennessee Science Unit 6 Lesson 1 – 5</p> <p>Plant parts https://www.youtube.com/watch?v=OIZukSOqLZQ</p> <p>Plant Parts http://www.harcourtschool.com/activity/science_up_close/213/deploy/interface.html?ref=organicglunkwn&prid=pfseogglunkwn</p> <p>Plant parts https://app.discoveryeducation.com/</p>

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				<p>learn/videos/2fe67cff-3368-4d1a-96ef-e5b7059952db/</p> <p>Brainpopjr-parts of a plant</p> <p>Animal Structures https://www.mrnussbaum.com/insects-play/crickets/</p>
	Ecosystems: Interactions, Energy, and Dynamics	<p>LS2.1 Construct an argument to explain why some animals benefit from forming groups</p>	I can construct an argument to explain why some animals benefit from forming groups.	<p>HMH Tennessee Science Unit 6 Lesson 6</p> <p>Wonder of Science https://thewonderofscience.com/3ls21</p> <p>Living in Groups (Social Behavior) video https://www.youtube.com/watch?v=5hljtdg3kdQ</p>
	Biological Change: Unity and Diversity	<p>LS4.1 Explain the cause and effect relationship between a naturally changing environment and an organism's ability to survive.</p> <p>LS4.2 Infer that plants and animal adaptations help them survive in land and aquatic biomes.</p> <p>LS4.3 Explain how changes to an environment's biodiversity</p>	<p>I can explain the cause and effect relationship between a naturally changing environment and an organism's ability to survive.</p> <p>I can infer that plant and animal adaptations help them survive in land and aquatic biomes.</p> <p>I can explain the</p>	<p>HMH Tennessee Science Unit 7 Lesson 5</p> <p>HMH Tennessee Science Unit 6 Lesson 4 and 6</p> <p>Brainpopjr-plant adaptations</p> <p>Study Jams-plant adaptations and animal adaptations</p> <p>Animal Adaptations</p>

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		influence human resources.	cause and effect relationship between a naturally changing environment and an organism's ability to survive.	https://app.discoveryeducation.com/learn/videos/9a25c757-c698-4fe5-992a-016762b816c5/ Plant Adaptations: https://app.discoveryeducation.com/learn/videos/a1912e73-194e-4842-b7b6-ffd92a5b1668 HMH Tennessee Science Unit 7 Lesson 5
2nd Nine Weeks				
2 nd 9 weeks	Earth's Place in the Universe	ESS1.1 Use data to categorize the planets in the solar system as inner or outer planets according to their physical properties.	I can categorize the planets in the solar system as inner or outer planets based on their physical properties.	HMH Tennessee Science Unit 8 Lesson 1
	Earth's Systems	ESS2.1 Explain the cycle of water on Earth. ESS2.2 Associate cloud types (nimbus, cumulus, cirrus, and stratus) with weather conditions. ESS2.3 Use tables, graphs, and tools to describe precipitation, temperature, and wind (direction and speed) to determine local weather and climate. ESS2.4 Incorporate weather data to	I can explain the water cycle. I can identify weather conditions based on cloud type. I can use tables and graphs to determine the local weather and climate. I can use weather data to describe	HMH Tennessee Science Unit 9 Lesson 1 HMH Tennessee Science Unit 9 Lesson 2 HMH Tennessee Science Unit 9 Lesson 3 and 4 HMH Tennessee Science Unit 9 Lesson 4

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		describe major climates (polar, temperate, and tropical) in different regions of the world.	major climates.	
	Earth and Human Activity	<p>ESS3.1 Explain how natural hazards (fires, landslides, earthquakes, volcanic eruptions, floods) impact humans and the environment.</p> <p>ESS3.2 Design solutions to reduce the impact of natural hazards (fires, landslides, earthquakes, volcanic eruptions, floods) on the environment.</p>	<p>I can explain how natural hazards impact humans and the environment.</p> <p>I can design solutions to reduce the impact of natural hazards.</p>	<p>HMH Tennessee Science Unit 10 Lesson 4</p> <p>HMH Tennessee Science Unit 10 Lesson 4</p>
3 rd 9 weeks				
3 rd 9 weeks	Matter and Its Interactions	<p>PS1.1 Describe the properties of solids, liquids, and gases and identify that matter is made up of particles too small to be seen.</p> <p>PS1.2 Differentiate between changes caused by heating or cooling that can be reversed and that cannot.</p> <p>PS1.3 Describe and compare the physical properties of matter including</p>	<p>I can describe the properties of solids, liquids, and gases.</p> <p>I can identify that matter is made up of particles too small to be seen.</p> <p>I can differentiate between a reversible and irreversible change.</p> <p>I can describe and compare the physical properties</p>	<p>HMH Tennessee Science Unit 3 Lesson 1 and 2</p> <p>HMH Tennessee Science Unit 3 Lesson 4</p> <p>HMH Tennessee Science Unit 3 Lesson 2, 3, and 5</p>

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		color, texture, shape, length, mass, temperature, volume, state, hardness, and flexibility.	of matter.	
	Motion and Stability: Forces and Interactions	<p>PS2.1 Explain the cause and effect relationship of magnets.</p> <p>PS2.2 Solve a problem by applying the use of interactions between two magnets.</p>	<p>I can explain the cause and effect relationship of magnets.</p> <p>I can solve problems about the interactions between two magnets.</p>	<p>HMH Tennessee Science Unit 4 Lesson 1</p> <p>HMH Tennessee Science Unit 4 Lesson 2</p>
	Energy	<p>PS3.1 Recognize that energy is present when objects move; describe the effects of energy transfer from one object to another.</p> <p>PS3.2 Apply scientific ideas to design, test, and refine a device that converts electrical energy to another form of energy, using open or closed simple circuits.</p> <p>PS3.3 Evaluate how magnets cause changes in the motion and position of objects, even when the objects</p>	<p>I can recognize that energy is present when objects move.</p> <p>I can describe the effects of energy transfer from one object to another.</p> <p>I can apply scientific ideas to design, test, and refine a device that converts electrical energy to another form of energy.</p> <p>I can evaluate how magnets cause changes in the motion and</p>	<p>HMH Tennessee Science Unit 5 Lesson 1, 2, 4, and 5</p> <p>HMH Tennessee Science Unit 5 Lesson 3</p> <p>HMH Tennessee Science Unit 4 Lesson 1</p>

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		are not touching the magnet.	position of objects.	
4 th 9 weeks				
4 th 9 weeks * Review previously taught standards/ learning targets	Engineering, Technology, and Applications of Science * STEM activities * hands on investigations and experiments	ETS1.1 Design a solution to a real-world problem that includes specified criteria for constraints. ETS1.2 Apply evidence or research to support a design solution. ETS2.1 Identify and demonstrate how technology can be used for different purposes.	I can design a solution to a real-world problem using different criteria. I can use evidence or research to support a design solution. I can use technology for different purposes.	HMH Tennessee Science Unit 1 Lesson 1 and 2 HMH Tennessee Science Unit 1 Lesson 4 HMH Tennessee Science Unit 1 Lesson 3