Science/S.S. – First Grade 2024-25
First Quarter

HMH Modules	Science	Social Studies
	Week 1, Aug 5-9	**1.16** Explain the importance of patriotic traditions, including the Pledge of Allegiance and the National Anthem, and respectful behavior during both. **1.17** Distinguish the differences between rules and laws, and give examples of each.
Module 1: Nice to Meet You!	**Week 2, Aug 12-16**	**1.01** Describe the cultural aspects of a place, including a student's community and state. **1.02** Define multiculturalism as many different cultures living within a community and state. **1.03** Compare and contrast family traditions and customs among different cultures within a student's community and state.
	Week 3, Aug 19-23	**1.01, 1.02, 1.03 (continued)**
	Week 4, Aug 26-30	**1.01, 1.02, 1.03 (continued)**
Module 2: My Family, My Community	**Week 5, Sept 3-6 (4-day week)**	**1.10** Recognize basic map symbols, including: cities, land, roads, and water. **1.11** Locate Tennessee, Nashville, and Washington D.C. on a U.S. map **1.12** Use cardinal directions on a map. **1.13** Distinguish the difference between a lake, mountain, ocean and river.
	Week 6, Sept 9-13	**1.10, 1.11, 1.12, 1.13 (continued)**

	Week 7, Sept 16-20	**1.10, 1.11, 1.12, 1.13 (continued)**
Module 3: Amazing Animals	**Week 8, Sept 23-27** **Structure & Function of Plant Parts** **1.LS1.1** Recognize the structure of plants (roots, stems, leaves, flowers, fruits) and describe the function of the parts (taking in water and air, producing food, making new plants). **1.ETS2.1** Use appropriate tools (magnifying glass, basic balance scale) to make observations and answer testable scientific questions. ***Supplemental resources:*** • Pumpkin Circle: The Story of a Garden by George Levinson	
	Week 9, Sept 30-Oct 4 **Plant Life Cycle** **1.LS1.2** Illustrate and summarize the life cycle of plants. ***Supplemental resources:*** • From Seed to Plant by Gail Gibbons • From Seed to Pumpkin by Wendy Pfeffer	

Science/S.S. – First Grade 2024-25
Second Quarter

HMH Modules	Science	Social Studies
Module 3: Amazing Animals (continued)	**Week 1, Oct 14-18** **1.LS1.1, 1.LS1.2 (continued)**	
Module 4: Better Together	**Week 2, Oct 21-25**	**1.07** Recognize major products and industries found in Tennessee (e.g. agriculture, manufacturing, mining, music, and tourism) **1.14** Identify the three grand divisions of Tennessee on a map **1.21** Identify Tennessee symbols, including: state flag, state tree, state flower, state bird, state animal, and the significance of the state nickname.
	Week 3, Oct 28-Nov 1	**1.07, 1.11, 1.14, 1.21 (continued)**
	Week 4, Nov 4-8 (4-day week)	**1.07, 1.11, 1.14, 1.21 (continued)**
Module 5: Now You See It, Now You Don't	**Week 5, Nov 11-15** **Solar Energy/Warmth** **1.PS3.1** Make observations to determine how sunlight warms Earth's surfaces (sand, soil, rocks, and water)	
	Week 6, Nov 18-22	**1.26** Identify and describe the events or people celebrated during the following national holidays, and examine why we celebrate them (Martin Luther King, Jr. Day, Presidents' Day, Memorial Day, Independence Day, Columbus Day, Veterans' Day, **Thanksgiving Day**)

	Week 7, Nov 25-26 (2-day week) **Light** **1.PS4.1** Use a model to describe how light is required to make objects visible. Summarize how illumination could be from an external light source or by an object giving off its own light. **Supplemental resources:** • The Energy We See: A Look at Light by Jennifer Boothroyd • What Are Light Waves by Robin Johnson • Light is All Around Us by Wendy Pfeffer and Paul Meisel • Fireflies by Julie Brinckloe • Way to Glow! Amazing Creatures that Light Up the Dark by Lisa Regan	
	Week 8, Dec 2-6 **1.PS4.1 (continued)**	
	Week 9, Dec 9-13 **1.PS4.2** Determine the effect of placing objects made with different materials (transparent, translucent, opaque, and reflective) in the path of a beam of light.	
	Week 10, Dec 16-20 (4.5-day week) **1.PS4.2 (continued)**	

Science/S.S. – First Grade 2024-25
Third Quarter

HMH Modules	Science	Social Studies
Module 5: Now You See It, Now You Don't (continued)	**Week 1, Jan 7-10 (4-day week)** **1.PS4.2 (continued)**	
Module 6: Celebrate America	**Week 2, Jan 13-17**	**1.15** Identify the Governor and the President, and explain their roles. **1.16** Explain the importance of patriotic traditions, including the Pledge of Allegiance and the National Anthem, and respectful behavior during both. **1.17** Distinguish the differences between rules and laws, and give examples of each. **1.18** Define citizenship, and recognize traits of good citizens, such as respecting the rights of others, voting, following laws, etc. **1.19** Explain that voting is a way of making choices and decisions. **1.20** Recognize that a mayor is the leader of a town/city, and explain his/her role. **1.26** Identify and describe the events or people celebrated during the following national holidays, and examine why we celebrate them (Martin Luther King, Jr. Day, Presidents' Day, Memorial Day, Independence Day, Columbus Day, Veterans' Day, Thanksgiving Day)
	Week 3, Jan 21-24 (4-day week)	**1.15, 1.16, 1.17, 1.18, 1.19, 1.20, 1.26 (continued)**
	Week 4, Jan 27-31	**1.15, 1.16, 1.17, 1.18, 1.19, 1.20, 1.26 (continued)**

Module 7: The Big Outdoors	**Week 5, Feb 3-7** **Patterns of Astronomy** **1.ESS1.1** Use observations or models of the sun, moon, and stars to describe patterns that can be predicted. **1.ETS1.1** Solve scientific problems by asking testable questions, making short-term and long-term observations, and gathering information. ***Supplemental resources:*** • The Moon Seems to Change by Franklyn Branley • The Moon Book by Gail Gibbons • In Our Stars by Anne Rockwell • YouTube Video: Earth's Rotation & Revolution: Crash Course Kids 8.1	
	Week 6, Feb 10-14 **Viewing Astronomy** **1.ESS1.2** Observe natural objects in the sky that can be seen from Earth with the naked eye and recognize that a telescope, used as a tool, can provide greater detail of objects in the sky. **1.ETS1.1** Solve scientific problems by asking testable questions, making short-term and long-term observations, and gathering information. **1.ETS2.1** Use appropriate tools (magnifying glass, basic balance scale) to make observations and answer testable scientific questions. ***Supplemental resources:*** • The Sun: Our Nearest Star by Mansfield Branley • The Sun Is My Favorite Star by Frank Asch • What Makes Day and Night by Franklyn Branley • The Sun and the Moon by DeCristofano • Planets by Elizabeth Carney	

	Week 7, Feb 18-21 (4-day week) **Solar Patterns** **1.ESS1.3** Analyze data to predict patterns between sunrise and sunset, and the change of seasons. **1.ETS1.1** Solve scientific problems by asking testable questions, making short-term and long-term observations, and gathering information. ***Supplemental resources:*** • Sunshine on My Shoulders by John Denver . • Next Time You See a Sunset by Emily Morgan	
Module 8: **Tell Me a Story**	**Week 8, Feb 24-28**	**1.22** Arrange the events from a student's life in chronological order **1.23** Use correct words and phrases related to chronology and time, including: past, present, and future. **1.24** Interpret information from simple timelines. **1.25** Compare ways people lived in the past and how they live today, including: forms of communication, modes of transportation, and types of clothing.
	Week 9, Mar 3-7	**1.22, 1.23, 1.24, 1.25 (continued)**
	Quarter 4, Week 1, Mar 10-14	**1.22, 1.23, 1.24, 1.25 (continued)**

Science/S.S. – First Grade 2024-25
Fourth Quarter

HMH Modules	Science	Social Studies
Module 9: Grow, Plants, Grow!	**Week 2, Mar 24-28** **Plant Experiment** **1.LS2.1** Conduct an experiment to show how plants depend on air, water, minerals from soil, and light to grow and thrive. **1.LS1.3** Analyze and interpret data from observations to describe how changes in the environment cause plants to respond in different ways. **1.ETS2.1** Use appropriate tools (magnifying glass, basic balance scale) to make observations and answer testable scientific questions. ***Supplemental resources:*** • Amazing Plant Powers: How Plants Fly, Fight, Hide, Hunt, and Change the World by Loreen Leedy	
	Week 3, Mar 31-Apr 3 (4-day week) **Classifying Plants** **1.LS2.2** Obtain and communicate information to classify plants by where they grow (water, land) and the plant's physical characteristics.	
	Week 4, Apr 7-11 **Plant Needs** **1.LS2.3** Recognize how plants depend on their surroundings and other living things to meet their needs in the places they live. **1.ETS1.1** Solve scientific problems by asking testable questions, making short-term and long-term observations, and gathering information. ***Supplemental resources:*** • Next Time You See a Maple Seed by Emily Morgan	

Module 10: Dare to Dream	**Week 5, Apr 14-17 (4-day week)** **Earth Day (4/22)**	**1.04** Give examples of products (goods) that people buy and use. **1.05** Give examples of services (producers) that people provide. **1.06** Distinguish how people are consumers and producers of goods and services. **1.08** Determine the difference between basic wants and needs, and provide examples of each **1.09** Assess factors that could influence a person to use or save money.
	Week 6, Apr 21-25	**1.04, 1.05, 1.06, 1.08, 1.09 (continued)**
	Week 7, Apr 28-May 2	**1.04, 1.05, 1.06, 1.08, 1.09 (continued)**
	Week 8, May 5-9 **STEM Challenges** **1.ETS1.1** Solve scientific problems by asking testable questions, making short-term and long term observations, and gathering information. **1.ETS2.1** Use appropriate tools (magnifying glass, basic balance scale) to make observations and answer testable scientific questions.	
	Week 9, May 12-16 **STEM Challenges** **1.ETS1.1** Solve scientific problems by asking testable questions, making short-term and long term observations, and gathering information. **1.ETS2.1** Use appropriate tools (magnifying glass, basic balance scale) to make observations and answer testable scientific questions.	

	Week 10, May 19-23 (4.5-day week) **STEM Challenges** **1.ETS1.1** Solve scientific problems by asking testable questions, making short-term and long term observations, and gathering information. **1.ETS2.1** Use appropriate tools (magnifying glass, basic balance scale) to make observations and answer testable scientific questions.	