Science/S.S. – Sixth Grade
First Quarter 2018-2019

SCIENCE	SOCIAL STUDIES
Week 1, Aug 6-10	**Early Humans**
Week 2, Aug 13-17	**Early Humans (Continued)**
Week 3, Aug 20-24 **6.LS2.3** Draw conclusions about the transfer of energy through a food web and energy pyramid in an ecosystem. **6.LS2.2** Determine the impact of competitive, symbiotic, and predatory interactions in an ecosystem.	
Week 4, Aug 27-31 **6.LS2.5** Analyze existing evidence about the effect of a specific invasive species on native populations in Tennessee and design a solution to mitigate its impact. **6.LS2.7** Compare and contrast auditory and visual methods of communication among organisms in relation to survival strategies of a population.	
Week 5, Sept 4-7 (4-day week)	**Mesopotamia**
Week 6, Sept 10-14	**Mesopotamia (Continued)**
Week 7, Sept 17-21	**Egypt**

Week 8, Sept 24-28	**Egypt (Continued)**
Week 9, Oct 1-5 **6.LS2.4** Using evidence from climate data, draw conclusions about the patterns of abiotic and biotic factors in different biomes, specifically the tundra, taiga, deciduous forest, desert, grasslands, rainforest, marine, and freshwater ecosystems.	

Science/S.S. – Sixth Grade
Second Quarter 2018-2019

SCIENCE	SOCIAL STUDIES
Week 1, Oct 15-19 **6.LS2.4 Continued** **6.LS2.1** Evaluate and communicate the impact of environmental variables on population size.	
Week 2, Oct 22-26 **6.LS2.6** Research the ways in which an ecosystem has changed over time in response to changes in physical conditions, population balances, human interactions, and natural catastrophes. **6.LS4.1** Explain how changes in biodiversity would impact ecosystem stability and natural resources.	
Week 3, Oct 29-Nov 2 **6.LS4.2** Design a possible solution for maintaining biodiversity of ecosystems while still providing necessary human resources without disrupting environmental equilibrium. **6.ETS1.1** Evaluate design constraints on solutions for maintaining ecosystems and biodiversity.	
Week 4, Nov 5-9 (4-day week)	**Israel**
Week 5, Nov 12-16	**India**
Week 6, Nov 19-20 (2-day week)	**India (Continued)**
Week 7, Nov 26-30 **6.ESS2.2** Diagram convection patterns that flow due to uneven heating of the earth.	

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Week 8, Dec 3-7 **6.ESS2.1** Gather evidence to justify that oceanic convection currents are caused by the sun's transfer of heat energy and differences in salt concentration leading to global water movement. **6.ESS2.3** Construct an explanation for how atmospheric flow, geographic features, and ocean currents affect the climate of a region through heat transfer.	
Week 9, Dec 10-14 **6.ESS2.4** Apply scientific principles to design a method to analyze and interpret the impact of humans and other organisms on the hydrologic cycle.	
Week 10, Dec 17-21	**China**

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Third Quarter 2018-2019

SCIENCE	SOCIAL STUDIES
Week 1, Jan 8-11 (4-day week)	**China (Continued)**
Week 2, Jan 14-18 **6.ESS2.5** Analyze and interpret data from weather conditions, weather maps, satellites, and radar to predict probable local weather patterns and conditions.	
Week 3, Jan 22-15 (4-day week) **6.ESS2.6** Explain how relationships between the movement and interactions of air masses, high and low pressure systems, and frontal boundaries result in weather conditions and severe storms.	
Week 4, Jan 28-Feb 1	**Greece**
Week 5, Feb 4-8	**Greece (Continued)**
Week 6, Feb 11-15 **6.ESS3.1** Differentiate between renewable and nonrenewable resources by asking questions about their availability and sustainability. **6.ESS3.2** Investigate and compare existing and developing technologies that utilize renewable and alternative energy resources.	
Week 7, Feb 19-22 (4-day week) **6.ESS3.3** Assess the impacts of human activities on the biosphere including conservation, habitat management, species endangerment, and extinction.	

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Week 8, Feb 25-Mar 1	**Rome**
Week 9, Mar 4-8	**Rome (Continued)**

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Fourth Quarter 2018-2019

Week 1, Mar 18-22	**Rome (Continued)**
Week 2, Mar 25-29 **6.PS3.1** Analyze the properties and compare sources of kinetic, elastic potential, gravitational potential, electric potential, chemical, and thermal energy. **6.PS3.2** Construct a scientific explanation of the transformations between potential and kinetic energy. **6.ETS1.2** Design and test different solutions that impact energy transfer.	
Week 3, Apr 1-5 **6.PS3.2, 6.ETS1.2 Continued**	
Week 4, Apr 8-12 **6.PS3.3** Analyze and interpret data to show the relationship between kinetic energy and the mass of an object in motion and its speed. **6.PS3.4** Conduct an investigation to demonstrate the way that heat (thermal energy) moves among objects through radiation, conduction, or convection. **6.ETS1.2** Design and test different solutions that impact energy transfer.	
Week 5, Apr 15-18 (4-day week) **TESTING WINDOW BEGINS** **6.PS3.3, 6.ETS1.2 Continued**	
Week 6, Apr 23-26 (4-day week)	

Week 7, Apr 29-May 3	
Week 8, May 6-10	
Week 9, May 13-17	
Week 10, May 20-24	