

6th Grade Science Timeline

Macon County 2017-2018

1st 9 Weeks

Standard	Learning Target	Resources	T	M
SPI 0607.Inq.1	I can design a simple experiment. (P) I can define the terms “control” and “variable”. (K) I can identify the control and variables in an experiment. (K)	Chapter 1		
SPI 0607.Inq.2	I can match laboratory tools with their appropriate function. (K) I can choose the appropriate tools and procedures for an experiment.	Chapter 1		
SPI 0607.Inq.3	I can define the words “interpret” and “translate”. (K) I can construct a graph when given a set of data. (P) I can answer questions using a graph as text evidence. (R,S)	Chapter 1		
SPI 0607.Inq.4	I can define the terms “conclusion” and “cause and effect”. (K) I can use evidence to draw a conclusion. (S) I can use evidence to identify the cause and effect. (K,R,S)	Chapter 1		
SPI 0607.Inq.5	I can define the term “bias”. (K) I can analyze data and identify bias and experimental error. (K,R,S)	Chapter 1		
SPI 0607.2.1	I can define producers, consumers, scavengers, and decomposers. (K)	Chapter 2		
SPI 0607.2.1	I can distinguish between a food chain and a food web. (R)	Chapter 2		
SPI 0607.2.1	I can classify producers, consumers, scavengers, and decomposers according to their role in a food chain or food web. (R)	Chapter2		
SPI 0607.2.1	I can compose a food chain and a food web labeling organisms as producers, consumers, scavengers, or decomposers. (K & P)	Chapter 2		
SPI 0607.2.2	I can describe an ecosystem. (K)	Chapter 4		
SPI 0607.2.2	I can apply how materials and energy are transferred in an ecosystem. (S)	Chapter 4		
SPI0607.2.3	I can define abiotic, biotic, and biomes. (K)	Chapter 4		
SPI 0607.2.3	I can classify elements as either biotic or abiotic. (S)	Chapter 4		
SPI 0607.2.4	I can define interdependence. (K)	Chapter 4		

SPI 0607.2.4	I can construct and illustrate interdependencies among organisms in major biomes. (R) (P)	Chapter 4		

2nd 9 Weeks

Standard	Learning Target	Resources	T	M
SPI 0607.6.1	I can identify the components of the universe. (K)	Chapter 9		
SPI 0607.6.1	I can interpret data to draw conclusions about the major components of the universe. (R)	Chapter 9		
SPI 0607.6.2	I can recognize how the relative distance of objects from the Earth affects how they appear. (K)	Chapter 9		
SPI 0607.6.3/06 07.6.4	I can define a lunar cycle. (K)	Chapter 10		
SPI 0607.6.3 0607.6.4	I can construct a flip chart to represent the phases of the moon. (P)	Chapter 10		
SPI 0607.6.3	I can describe a year based on the movements of the Earth, Sun, and Moon (K)	Chapter 10		
SPI 0607.6.5	I can list and define the different types of tides. (K)	Chapter 10		
SPI 0607.6.6	I can state the four seasons. (K)	Chapter 10		
SPI 0607.6.6	I can produce a diagram that shows the position of the Earth and sun to explain the 4 seasons. (P)	Chapter 10		
SPI 0607.6.7	I can define solar and lunar eclipse. (K)	Chapter 10		
SPI 0607.6.7	I can demonstrate and create a solar and lunar eclipse. (P)	Chapter 10		

3rd Nine Weeks

Standard	Learning Target	Resources	T	M
0607.10.1	I can compare/contrast the three forms of Potential Energy. (R) Gravitational Potential Elastic Potential Chemical Potential	Chapter 12		
0607.10.2	I can compare potential and kinetic energy. (R)	Chapter 12		
0607.10.3	I can analyze the various types of energy transformations. (R)	Chapter 12		
0607.10.4	I can explain the principles of the Law of Conservation of Energy using data from energy transformations. (R)	Chapter 12		
0607.8.1	I can recite and define heat convection. (K)	Chapter 13		
0607.8.1	I can analyze data to identify events associated with heat convection in the atmosphere. (R)	Chapter 13		
0607.8.2	I can explain the connection between the sun's energy and the wind. (R)	Chapter 13		
0607.8.3	I can restate how temperature affects density. (K)	Chapter 13		
0607.8.3	I can tell others about ocean currents. (K)	Chapter 13		
0607.8.3	I can explain how temperature affects ocean currents. (R)	Chapter 13		
0607.8.4	I can use data collected from instruments such as: Barometer Thermometer Psychrometer Anemometer to describe local weather conditions. (S)	Chapter 7		
0607.8.4	I can interpret meteorological data to make predictions about the weather. (R)	Chapter 7		

4th 9 Weeks

Standard	Learning Target	Resources	T	M
0607.12.2	I can identify materials that can conduct electricity. (K)	Chapter 14		
0607.12.2	I can compare various materials for conduction. (R)	Chapter 14		
0607.12.1	I can define a simple circuit. (K)	Chapter 14		
0607.12.1	I can construct a simple circuit. (P)	Chapter 14		
0607.12.1	I can explain how energy within a circuit is transferred from heat, light, sound, and chemical energy. (R)	Chapter 14		
0607.T/E.1	I can define prototype. (K)	Chapter 1		
0607.T/E.1	I can indicate the necessary tools and procedures needed to test the prototype. (R)	Chapter 1		
0607.T/E.2	I can organize the steps of the Engineering Design Process. (S)	Chapter 1		
0607.T/E.2	I can define protocol. (K)	Chapter 1		
0607.T/E.2	I can test a prototype to determine if the Engineering Design Process was correctly applied. (P)	Chapter 1		
0607.T/E.3	I can define intended benefits. (K)	Chapter 1		
0607.T/E.3	I can define unintended consequences. (K)	Chapter 1		
0607.T/E.3	I can compare/contrast the consequences and intended benefits of a new technology. (R)	Chapter 1		
	Remainder of Time Reviewing Unmastered Standards			
	TCAP Practice Test			
	TCAP Test			

