

TERM 1	
Term 1 Dates	MS College and Career Readiness Standards
WK 1:	SCIENCE and ENGINEERING PRACTICES
Aug 6-16	Ask Question and Define Problems
	Develop and Use Models
	Analyze and Interpret Data
	Plan and Conduct Investigations
	Use Mathematical and Computational Thinking
	Engage in Scientific Argument from Evidence
	Construct Explanations and Design Solutions
	Obtain, Evaluate, and Communicate Information
	Unit Assessment 1
WK 2:	Living & Non-Living
Aug 19-23	L.6.1.1 Use argument supported by evidence in order to distinguish between living and
	non-living things, *including viruses and bacteria. *(Incorporate this portion of the standard
	as outlined below.)
	-Identify the characteristics of living things, then compare & contrast living vs. non-living.
	-Describe how plants and animals meet the characteristics for living things.
	- Explain that living things can be microscopic, like bacteria.
	- Debate, using scientific evidence, if a virus is living or nonliving.
WK 3:	Cells & Cell Theory
Aug 26-30	L.6.1.2 Obtain and communicate evidence to support the cell theory.
	L.6.1.5 Provide evidence that organisms are unicellular or multicellular.
	L.6.1.3 Develop and use models to explain how specific cellular components (cell wall, cell
	membrane, nucleus, chloroplast, vacuole, and mitochondria) function together to support
	the life of prokaryotic and eukaryotic organisms to include plants, animals, fungi, protists,
WK 4:	and bacteria (not to include biochemical function of cells or cell part).
Sept 2-6	L.6.1.4 Compare and contrast different cells in order to classify them as a protist, fungus,
	plant, or animal.
	Organization of Living Things
	L.6.1.6 Develop and use models to show relationships among the increasing complexity of
	multicellular organisms (cells, tissues, organs, organ systems, organisms) and how they
	serve the needs of the organism.
	Mid-term OR Unit Assessment 2 (WK 4.5/ WK 5)

WK 5:	Ecological Interdependence
Sept 9-13	L.6.3.1 Use scientific reasoning to explain differences between biotic and abiotic factors that
	demonstrate what living organisms need to survive.
	L.6.3.2 Develop and use models to describe the levels of organization within ecosystems
	(species, populations, communities, ecosystems, and biomes).
WK 6:	L.6.3.5 Develop and use food chains, webs, and pyramids to analyze how energy is
Sept 16-20	transferred through an ecosystem from producers (autotrophs) to consumers (heterotrophs,
	including humans) to decomposers.
WK 7:	Ecological Relationships and Change
Sept 23-27	L.6.3.4 Investigate organism interactions in a competitive or mutually beneficial
	relationship (predation, competition, cooperation, or symbiotic relationships).
	L.6.3.3 Analyze cause and effect relationships to explore how changes in the physical
	environment (limiting factors, natural disasters) can lead to population changes within an
	ecosystem.
	Unit Assessment 3 optional due to BMA
WK 8:	Review for Benchmark
Sept 30- Oct 4	
WK 9:	Benchmark OR Unit Assessment
Oct 7-11	

TERM 1	
Recurring Standards	
Standards taught the first 4-5 weeks; the mid-term data will indicate the remediation needed.	
WK 5:	Science & Engineering Practices
Sept 9-13	
WK 6:	L.6.1.1, L.6.1.2, L.6.1.5
Sept 16-20	
WK 7:	L.6.1.3, L.6.1.4, L.6.1.6
Sept 23-27	



	TERM 2	
Term 2 Dates	MS College and Career Readiness Standards	
WK 1:	Classification of Living Things Supports BIO I *MINOR STANDARD(S)	
Oct 14-18	<ul> <li>L.6.4.1 Compare and contrast modern classification techniques (e.g., analyzing genetic material) to the historical practices used by scientists such as Aristotle and Carolus Linnaeus.</li> <li>L.6.4.2 Use classification methods to explore the diversity of organisms in kingdoms</li> </ul>	
	(animals, plants, fungi, protists, bacteria). Support claims that organisms have shared structural and behavioral characteristics.  *MINOR STANDARD(S)	
WK 2: Oct 21-25	L.6.4.3 Analyze and interpret data from observations to describe how fungi obtain energy and respond to stimuli (e.g., bread mold, rotting plant material).	
	L.6.4.4 Conduct investigations using a microscope or multimedia source to compare the characteristics of protists (euglena, paramecium, amoeba) and the methods they use to obtain energy and move through their environment (e.g., pond water).	
	L.6.4.5 Engage in scientific arguments to support claims that bacteria (Archaebacteria and Eubacteria) and viruses can be both helpful and harmful to other organisms and the environment.	
	Unit Assessment 1	
WK 3:	E.6.8.1 Obtain, evaluate, and summarize past and present theories and evidence to explain	
Oct 28- Nov 1	the formation and composition of the universe. E.6.8.2 Use graphical displays or models to explain the hierarchical structure (stars,	
WK 4:	galaxies, galactic clusters) of the universe.	
Nov 4-8	E.6.8.3 Evaluate modern techniques used to explore our solar system's position in the universe.	
WK 5:	E.6.8.4 Obtain and evaluate information to model and compare the characteristics and	
Nov 11-15	movements of objects in the solar system (including planets, moons, asteroids, comets, and meteors).	
	Mid-term OR Unit Assessment 2 (WK 4.5/ WK 5)	
WK 6: Nov 18-22	E.6.8.5 Construct explanations for how gravity affects the motion of objects in the solar system and tides on Earth.	
	E.6.8.6 Design models representing motions within the Sun-Earth-Moon system to explain	
WK 7:	phenomena observed from the Earth's surface (positions of celestial bodies, day and year,	
Dec 2-6	moon phases, solar and lunar eclipses, and tides).	
WK 8:	E.6.8.7 Analyze and interpret data from the surface features of the Sun (e.g., photosphere,	

Dec 9-13	corona, sunspots, prominences, and solar flares) to predict how these features may affect Earth.	
	Unit Assessment 3 optional due to BMA	
WK 9:	Benchmark OR Unit Assessment	
Dec 16-20		

TERM 2		
Recurring Standards		
Stand	Standards taught the first 4-5 weeks; the mid-term data will indicate the remediation needed.	
WK 5:	L.6.4.1 & L.6.4.2	
Nov 11-15		
WK 6:	E.6.8.1 & E.6.8.2	
Nov 18-22		
WK 7:	E.6.8.3 & E.6.8.4	
Dec 2-6		



	TERM 3	
Term 3 Dates	MS College and Career Readiness Standards	
WK 1: Jan 6-10	Force & Motion P.6.6.5 Conduct investigations to predict and explain the motion of an object according to its position, direction, speed, and acceleration. (Include Newton's Laws of Motion) P.6.6.2 Use mathematical computation and diagrams to calculate the sum of forces acting on various objects.	
WK 2: Jan 13-17	P.6.6.4 Compare and contrast magnetic, electric, frictional, and gravitational forces. P.6.6.6 Investigate forces (gravity, friction, drag, lift, thrust) acting on objects (e.g., airplane, bicycle helmets). Use data to explain the differences between the forces in various environments.	
	Unit Assessment 1	
WK 3:	Newton's Laws of Motion & Our World	
Jan 20-24	P.6.6.1 Use an engineering design process to create or improve safety devices (e.g., seat belts, car seats, helmets) by applying Newton's Laws of motion. Use an engineering design process to define the problem, design, construct, evaluate, and improve the safety device.*	
WK 4: Jan 27-31	P.6.6.3 Investigate and communicate ways to manipulate applied/frictional forces to improve movement of objects on various surfaces (e.g., athletic shoes, wheels on cars).	
	Mid-term OR Unit Assessment 2 (WK 4.5/ WK 5)	
WK 5: Feb 3-7	<b>Energy</b> P.6.6.7 Determine the relationships between the concepts of potential, kinetic, and thermal energy.	
WK 6:		
Feb 10-14		
	Unit Assessment 3 optional due to benchmark	
WK 7: Feb 17-21	Review for Benchmark	
WK 8: Feb 24-28		
WK 9: March 3-7	Benchmark OR Unit Assessment	

TERM 3		
	Recurring Standards	
Standards taught the first 4-5 weeks; the mid-term data will indicate the remediation needed.		
WK 5:	P.6.6.5 & P.6.6.2	
Feb 3-7		
WK 6:	P.6.6.4 & P.6.6.6	
Feb 10-14		
WK 7:	P.6.6.1 & P.6.6.3	
Feb 17-21		



TERM 4	
Term 4 Dates	MS College and Career Readiness Standards
WK 1:	TBD using Benchmark/ Unit Assessment data and/or remediation time needed for other
March 17-21	grade level tested areas
	Checkpoint 1
WK 2:	TBD using Benchmark/ Unit Assessment data and/or remediation time needed for other
March 24-28	grade level tested areas
	Checkpoint 2
WK 3:	TBD using Benchmark/ Unit Assessment data and/ or remediation time needed for other
March 31- April 4	grade level tested areas
	Checkpoint 3
WK 4:	TBD using Benchmark/ Unit Assessment data and/ or remediation time needed for other
April 7-11	grade level tested areas
	Checkpoint 4
WK 5:	N/A; benchmark testing
April 14-18	
WK 6:	N/A; benchmark testing
April 21-25	
WK 7:	N/A; benchmark testing
April 28- May 2	
WK 8:	N/A; benchmark testing
May 5-9	
WK 9:	Review & EOY Assessment
May 12-21	

	TERM 4
	Recurring Standards
Sta	ndards taught the first 4-5 weeks; the mid-term data will indicate the remediation needed.
WK 5:	N/A; benchmark testing
April 14-18	
WK 6:	N/A; benchmark testing
April 21-25	
WK 7:	N/A; benchmark testing
April 28- May 2	