

Science and Engineering Practices (SEP's)- 1. Ask Questions and Define Problems. 2. Develop and use models. 3. Plan and conduct investigations. 4. Analyze and interpret data. 5. Use mathematical and computational thinking. 6. Construct explanations and design solutions. 7. Engage in Scientific argument from evidence. 8. Obtain, evaluate, and communicate information.

Crosscutting Concepts (CCC's)- 1. Patterns 2. Cause and Effect- Mechanism and Explanation 3. Scale, Proportion, and Quantity 4. Systems and System Models 5. Energy and Matter: Flows, Cycles, and Conservation 6. Structure and Function 7. Stability and Change

	organisms as protist, fungus, plant or animal. L.6.1.3 L.6.1.4 UNIT Living Things					Plants and Animal Cells DE – The Cell	News Article: Australian Scientists Hope the Triton Snail Will Help Save the Great Barrier Reef IN: Animal Cell Flipbook Levels of Organization
Week 3 8/20-24	<u>DCI- 1</u> Hierarchical organization Life Science Provide evidence that organisms are unicellular and multi-cellular. Use models to explain cellular components L.6.1.5 L.6.1.6 UNIT Living Things	1, 2, 6	4, 6	Compare and Contrast Structure and function In living things to include cells and whole organisms Students WILL CREATE an Animal Cell Model.	Section Quiz Read Theory Class Works Cell Model	Read Theory – Differentiated Reading Class works Science Lessons Plants 5 DE: The Basics OF Biology: The Kingdom of Plants	Chapter 1: Plant Cells, Plant Diversity Differentiated Passages: 1.Moving Cellular Material 2.Flowering vs. Non Flowering 3.Plant Parts and Adaptations News Article: The World’s First Flower Probably Looked Like the Modern Day Magnolia News Article: MIT Researcher Wants to Light Up the World with Glowing Plants. CELL Model Packet – EDP Student Activity IN: Identify Organelles and their function
Week 4 8/27-31	<u>DCI 1-</u> Hierarchical Organization Life Science Understandi	4, 8	2	Explain how different cellular Components function together to Support life.	Class Works Section Quiz Read Theory	Read Theory Differentiated Reading -	Chapter 1: Plant Cells Differentiated Passages: 1.Life Cycle of a Plant 2.Photosynthesis

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	<p>ng that all living things range from simple to complex organisms.</p> <p>L.6.1 L.6.1.3</p> <p>UNIT Living Things</p>						<p>Immune Troops! Move In – Text Based Questions</p> <p>Cells: Building Blocks of Living Things</p> <p>News Article: Lemon Shark Displays Wolverine-Like Self Healing Skills</p> <p>IN: Plant or Animal Cell Tabs</p>
<p>Week 5 9/3-7</p>	<p>DCI 1- Hierarchical Organization</p> <p>Life Science L.6.1.6</p> <p>UNIT Organs and Systems</p>	7	6	<p>Students will understand specialized structures and function of the Human body.</p> <p>Students will create a model/diagram of the digestive system.</p>	<p>Class Works Section Quiz Read Theory Model</p> <p>4 ½ Week Test Sept. 6th</p> <p>DE – Body Systems Interactive</p>	<p>Read Theory - Differentiated Reading</p> <p>Class works Science Lesson Cells and Systems 5</p> <p>L360 Human Body</p> <p>4 1/2 Week Test Sept. 6th</p>	<p>Chapter 2: Body Systems</p> <p>Differentiated Passages: 1.Circulatory System 2.Digestive System 3.Muscular System</p> <p>Read Works Standardized Test Practice Article: The Cells That Make Us Read Works Standardized Article: Pumping Up the Heart</p> <p>News Article: Brainless Jellyfish Could Help Reveal Why We Sleep</p> <p>IN: Body Systems</p>
<p>Week 6 9/10-14</p>	<p>DCI 1 – Hierarchical Organization</p> <p>Life Science L.6.1.6</p> <p>Develop and</p>	2, 6, 7	4, 6	<p>Students will understand how Specialized structures serve the needs of the organism.</p> <p>Students will create a model/diagram of the skeletal or respiratory system.</p>	<p>Read Theory Class Works Section quiz</p>	<p>Read Theory - Differentiated Reading</p> <p>Class works Science Lesson: Growth and Change</p>	<p>Chapter 2: Body Systems</p> <p>Differentiated Passages 1.Nervous System 2.Respiratory System 3.Skeletal System</p> <p>Read Works Standardized Test</p>

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	<p>use models to show relationship among the increasing complexity of multi-cellular organisms</p> <p>UNIT Organs and Systems</p>					<p>DE – 3D Human Body Interactive Tour</p>	<p>Article: Focus: Understanding How the Brain Works L.6.1.6</p> <p>News Article: Nasal Cell Transplant Enables Paralyzed Man to Walk Again.</p> <p>Systems Activity – EDP Student Activity</p> <p>IN: Body Systems Diagrams</p>
<p>Week 7 9/17-21</p>	<p>DCI 1- Hierarchical organization</p> <p>Life Science L.6.1.1 L.6.1.6 L.6.1.4</p> <p>Distinguish between living and non-living things including viruses and bacteria.</p> <p>UNIT Different Cells</p>	4, 7	4, 6	<p>Students will understand the role of specialized cells</p>	<p>Class works Read Theory Section quiz</p>	<p>Read Theory - Differentiated Reading</p> <p>Class works Science Lessons Living and Nonliving things 5</p> <p>Brain Pop – Diversity of Life: Bacteria, Protist, Fungi</p> <p>DE – Microscopic Life</p>	<p>1. Viruses, Bacteria, Protists, and Fungi Unit</p> <p>Read Works Standardized Article: Human Micro biome: Your body is an Ecosystem L.6.1.1</p> <p>News Article: Stanford Scientists Reprogram Dangerous Cancer Cells to Immune Cells</p> <p>DE: The Enemy Within: Bacteria and Viruses</p> <p>IN: Prokaryotic vs. Eukaryotic</p>
<p>Week 8 9/24-28</p>	<p>DCI 1- Hierarchical Organization</p>	4, 8	2, 6	<p>Students will understand viruses, bacteria, protists, and fungi</p> <p>Students will create a characteristics chart comparing viruses, bacteria, protists, and</p>	<p>Class works Read Theory Unit quiz</p>	<p>Read Theory - Differentiated Reading</p> <p>DE – Life Science – Protists and Fungi</p>	<p>1. Viruses, Bacteria, Protists, and Fungi Unit</p> <p>2. Read Theory Nonfiction Reading Passages</p> <p>Read works Standardized Test</p>

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	<p>Life Science L.6.1.1 L.6.1.4 L.6.1.6</p> <p>Develop and use models to show relationship among organisms.</p> <p>UNIT Diseases and their Causes</p>			fungi.		<p>L360 - Protists</p> <p>Class works Science Lessons Living Things of the Past</p>	<p>Practice Article: Parasites: Kings of the World (L.6.1.6)</p> <p>News Article: Zika Virus Outbreak</p> <p>IN: Characteristics of Organisms</p>
WEEK 9 10/01- 10/5	Nine Weeks Test						

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Brookhaven School District
Pacing Guide 2018-2019
6th Grade Science
Second Nine Weeks

Pacing	Strand Competency	SEP's	CCC's	Student Target Outcomes And Goals I can	Assessment	Technology	Resources
Week 10 10/8-12	<p>DCI 3- Ecology and interdependence</p> <p>Life Science L.6.3.1 L.6.3.2 L.6.3.3 Use scientific reasoning to explain differences between biotic and Abiotic factors.</p> <p>Develop and use models to describe the levels of organisms within an ecosystem.</p> <p>UNIT Earth's Ecosystems</p>	4, 8	2, 3	Students will explain factors that organisms need to survive. Students will explain differences between biotic and Abiotic factors.	Class Works Section quiz Read Theory	<p>Teachers will integrate computer each week through the use of Read Theory {Differentiated Reading Comprehension</p> <p>Class work Science Lessons Habitats and Ecosystems 4</p> <p>DE – Ecosystems: Abiotic and Biotic Factors</p> <p>Learn360: Biospheres (Biotic and Abiotic Factors)</p>	<p>1.Chapter 3 Lessons 1-2 Interaction, Adaptation And Survival</p> <p>2. Differentiated Passages: a. What is an Ecosystem b. Biotic and Abiotic Factors</p> <p>Interaction Of Life Packet – Lesson 1 Ecosystems – biotic and Abiotic factors</p> <p>Read Works Standardized Test Article: Endangered Animals at a Glance L.6.3.3</p> <p>News Article: These Fascinating Orange Dwarf Crocodiles May Be Evolving Into A New Species</p> <p>Text based passage: Sea Snakes</p> <p>Biodomes Engineering Design – EDP Student Activity</p> <p>IN: Abiotic/Biotic Factors Organism Relationships Ecosystems Levels</p>

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							Biomes
Week 11 10/15-19	DCI 3- Ecology and Interdependence Life Science L.6.3.2 L.6.3.5 Develop and use food chains, webs and pyramids to analyze how energy is transferred through an ecosystem from producers to consumers to decomposers UNIT Food Chains, Webs, and Pyramids	2, 8	5, 7	Students will use models to explain food chains, Webs, and pyramids to analyze how energy is transferred through an ecosystem. Students will CREATE a food web.	Class Works Section quiz Read Theory	Read Theory - Differentiated Reading Class works Science Lesson Food Chains and Webs DE – An Ecosystem L360 – Ecosystems DE – Food Chains DE – Food Chains The Science of Plants	1.Chapter 3 Lesson 1-2 Interaction, Adaptation And Survival 2.Differentiated Passages: a. Food Chains and Food Webs b. Producers, Consumers, and Decomposers Interaction of Life Packet – Lesson 2 – Relationships within ecosystems Lesson 3 – Matter and Energy in Ecosystems Handout: Food Chain Pyramid Read works Standardized Test Article: The Eco Pyramid Read Works Standardized Test Article The Ecosystem of the Forest News Article: Wizard Hat Amoeba Named After Gadalf from Lord of The Rings IN: Food Webs and Food Chains Energy Pyramid
Week 12 10/22-26	<u>DCI 3-</u> Ecology and Interdependence Life Science L.6.3.4	3, 7	7, 2	Students will investigate Organism interactions in a Competitive or mutually Beneficial relationship.	Class Works Section quiz Read Theory	Read Theory - Differentiated Reading Class works Science Lesson: Dependency, Adaptation and	1. Chapter 3 Lesson 1-2 Interaction, Adaptation And Survival 2. Differentiated Passages: a. What are Biomes and Habitats

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	<p>Investigate organism interactions in a competitive or mutually beneficial relationships.</p> <p>UNIT Adaptations and Survival</p>					<p>Survival 4</p> <p>DE – Symbiotic Relationships: Buffalo and Oxpecker</p> <p>Relationship DE – Fig Trees of Sulawesi: Symbiotic</p>	<p>b. Limiting Factors</p> <p>Read Works Article: Seeing the Invisible: Mutualism and Plant Reproduction</p> <p>Read works Standardized Test Practice Article: Secrets of Survival: The Ancient Utah Juniper</p> <p>Text based article: Poison Dart Frogs</p> <p>News Article: Evoware Hopes to Reduce Plastic Waste with Edible Seaweed Wrappers and Ello Jello Cups.</p> <p>IN: Natural Selection Primary, Secondary Succession</p>
<p>Week 13 10/31-11/02</p> <p>FALL BREAK – SHORT WEEK</p>	<p>DCI- 3 Ecology and Interdependence</p> <p>Life Science L.6.3.3</p> <p>Analyze cause and effect relationships to explore how changes in the physical environment can lead to population changes in an</p>	.1, 5, 6	5, 7	<p>Students will analyze cause and effect to explore how Changes in environment impact population</p> <p>Life After Trash: Student Activity</p>	<p>Class Works Unit Test Read Theory</p>	<p>Read Theory- Differentiated Reading</p> <p>Class works Science Lessons: Dependency, Adaptation and Survival 5</p> <p>L360 Adaptation and Natural Selection</p>	<p>1.Chapter 3 Lesson 1-2 Interaction, Adaptation, And survival</p> <p>2.Differentiated Passage: a. Causes of Environmental Change b. Impact on Living Things</p> <p>Read works Standardized Article: What a Dump L.6.3.3</p> <p>News Article: Are Coral Reefs Adapting to Climate Change</p> <p>Acid Rain Effects – EDP Student Activity</p>

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	ecosystem Environmental Changes Imapct Population						IN: Environmental Impact
Week 14 11/05-9	DCI 4- Adaptations and Diversity Life Science L.6.4.1 L.6.4.2 Use classification methods to explore the diversity of organisms in kingdoms to support claims that organisms have shared structural and behavioral characteristics UNIT Classification of Organisms	3, 8	6	Students will demonstrate Understanding of classification Tools and models.	Class works Section quiz Read works	Read Theory - Differentiated Reading Class works Science Lesson: Classification of Living Things 4 Brain Pop – Science – Diversity of Life - Six Kingdoms DE – Simply Science: Kingdoms	1.Classifying of Living Things Unit/ Chapter 3 Lesson 3 2. Reading Passage: Microorganisms Read works Standardized Test Article: Meet the Microbes L.6.4.2 News Article: Scientists Discover 1.5 Million New Species of Plankton and Lots of Plastic IN: 3 Domains 6 Kingdoms Dichotomous Key *** These can be spread out throughout the unit.
Week 15 11/12-16	DCI 4- Adaptations and Diversity Life Science L.6.4.3 L.6.4.4 L.6.4.1	1, 3, 7	5, 6	Students will analyze and interpret Data from observations to Describe how fungi obtained energy. Class experiment: Analyze and interpret data from observations (mold,	Section quiz Read works Class Works 4 ½ Week Test	Read Theory - Differentiated Reading Class works Science Lessons: Classification of Living Things 5	1.Classifying of Living Thing Unit 2.Reading Passage: Fungi are alive 3. It's Still Pretty Simple Packet News Article: How the

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	Analyze and Interpret data from observations to describe how fungi obtain energy and respond to stimuli UNIT Classification of Organisms- Fungi			rotting plant material)		DE – Classification of Living Things L360 – Classification Systems	Ingenious Mushroom Creates Its Own Microclimate IN: Classification Bundle from TPT
Thanks. Break 11/19-23							
Week 16 11/26-30	DCI 4- Adaptations and Diversity Life Science L.6.4.5 Use classification tools to and models to classify bacteria and viruses based on structural or behavioral characteristic. UNIT Classification of Living Things- Bacteria	4, 7	2, 6	Engage in scientific arguments that bacteria and viruses can be both helpful and harmful	Class works Section quiz Read Theory	Read Theory - Differentiated Reading Class works Science Lessons: Living and Non Living Things 5 DE – Classification Hierarchy L360 - Classification	1.Classifying of Living Thing Unit 2.Microorganisms – Bacteria And Archaea 3.Bacteria’s Role in the World Section Read Works standardized article: Final Push News Article: Bacteria turns Toxic Liquid into Pure Gold Nuggets

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Week 17 12/03-07	Life Science L.6.4.2 Engage in scientific arguments that bacteria and viruses can be both helpful and harmful UNIT Classification of Living Things- Viruses	4, 8		Engage in scientific arguments that bacteria and viruses can be both helpful and harmful Students will create a flyer/handout that discusses the positive and negative aspects of bacteria and viruses.	Class works Section Quiz Read Theory	Read Theory - Differentiated Reading Class works Science Lesson Living Things of the Past. L360 – Video Vocabulary – Animal Kingdom, Protista, Kingdom Plantae, Phylum	1.Classifying of Living Things Unit 2.Microorganisms – Viruses Read Works Standardized Test Article: Uninvited guest: (L.6.1) News Article: Breakthrough Ebola Vaccine Provides Hope for West Africa Student Flyer on bacteria and viruses
Week 18 12/10-24	DCI 4- Adaptation and Diversity Life Science L.6.4.4 Conduct investigations using a microscope or multimedia Source to compare the characteristics of protists. UNIT Classification of Living Things- Protists	3, 8	6, 7	Conduct investigations using a microscope or multimedia Source to compare the characteristics of protists.	Class works Section Quiz Read Theory	Read Theory - Differentiated Reading Class works Science Lesson Growth and Change L360 – Video Vocabulary – Kingdom, Genus, Kingdom Fungi	1.Classifying of Living Thing Unit 2. Microorganisms –Protists Section News Article: Why These Cool Images May Send you Scrambling For Disinfectant Investigations chart on characteristics of protists and methods used to obtain energy
Week 19 12/17-21		Exams					

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6th Grade Science
Third Nine Weeks

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Jan. 7-11, 2019	<p>DCI 8- Earth and the Universe</p> <p>Earth Science E.6.8.7 E.6.8.1 Obtain , evaluate, and summarize theories on creation of universe.</p> <p>Surface features of the sun and predict how features may effect Earth.</p> <p>UNIT Formation of the Universe and the Sun</p>	3,7	1, 2	Students will obtain, evaluate and summarize past and present theories to explain the formation and composition of the universe. Students will learn about the surface features of the Sun (photosphere, corona, sunspots, solar flares).	Class Works Section quiz Read Theory	<p>Teachers will integrate computer each week through the use of Read Theory</p> <p>Class works Science Lessons Astronomy</p> <p>Learn 360: The Sun</p> <p>Learn 360: Lunar Cycle</p>	<p>1.Chapter 6 – The Earth-Sun System</p> <p>2.Differentiated Reading Passage :</p> <p>a. Age and Exploration of Astronomy</p> <p>b. Day and Night</p> <p>The Sun Worksheet</p> <p>Read Works Standardized Article: One-on-One With the Sun</p> <p>Read Works Article: The Sun Heats Up</p> <p>Read Works: In Pictures; Journey to the Stars</p> <p>News Article: Short But Spectacular Lunar Eclipse Delights Millions</p> <p>DOGO News: Largest Solar Flare in over a Decade Causes Slight Disruption But Sparks Beautiful Auroras</p>

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							IN: Compare/contrast theories on formation and composition of universe. History of Space Exploration Rotation vs Revolution
Jan. 14-18	DCI 8- Earth and the Universe Earth Science E.6.8.6 E.6.8.5 How Gravity affects objects in our solar system. Understanding tides on earth. Create Model of the sun-earth-moon system. UNIT Sun-Earth-Moon System	3, 4	2	Construct explanations of how gravity affects objects in our solar system. Design models representing motions within the Sun-Earth-Moon system (moon phases, solar and lunar eclipses, tides, day and year, positions of celestial bodies)	Class Works Section quiz Read Theory	Read Theory - Differentiated Reading Class works Science Lessons : Earth's Motion DE – Science Kids all about the moon	1. Chapter 6 – The Earth-Sun-Moon System 2. Differentiated Reading Passages a. The Moon b. Shadows and Seasons Meet Our Solar System Packet News Article: Stargazers Eagerly Await “Super Blue Moon” DOGO News: Earth’s Gravity is Pulling Cracks in the Moon’s Surface IN: Moon Phases Lunar Cycle Vocab Lunar Cycle Flipbook Lunar Eclipses Solar Eclipses Tides
Jan 21-25	DCI 8- Earth and the Universe Earth Science E.6.8.2 E.6.8.3 E.6.8.4	3, 4	3, 6	Evaluate modern techniques used to explore our solar system. Obtain and Evaluate information to model and compare the objects in our solar system.	Class Works Section quiz Read Theory	Read Theory - Differentiated Reading Class works Science Lesson: The Solar System	1. Chapter 6 – The Solar System 2. Differentiated Reading Passage: Planets Asteroids, Comets, and Meteors articles with Comparison Chart

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	<p>Use graphical displays and models to explain the structure of the universe.</p> <p>UNIT The Solar System</p>			<p>Students will be able to complete a comparison chart for asteroids, comets, and meteors.</p>		<p>DE: Elementary Video Adventures: Astronomy</p>	<p>Read Works Standardized Test Article: All the Buzz E.6.8.3</p> <p>Text Based Article: The Inner Solar System</p> <p>News Article: Caltech Scientists Find Evidence of a Massive Ninth Planet in Our Solar System</p> <p>IN: Gravity Planets Meteor, Meteorite, Meteoroid Asteroid, Comet, Meteor</p>
<p>Jan. 28- Feb. 1</p>	<p>DCI 8- Earth and the Universe</p> <p>Earth Science E.6.8.2 E.6.8.3 E.6.8.4</p> <p>Explore modern techniques used to explore our solar systems position in the universe.</p> <p>UNIT Stars, Galaxies, and Universe</p>	<p>2, 6</p>	<p>4</p>	<p>Use graphical displays or models to explain the hierarchical structure of the universe (stars, galaxies, galactic clusters.</p> <p>Students will create a display or model that shows the hierarchical structure of the universe.</p>	<p>Class Works Chapter quiz Read Theory</p>	<p>Read Theory Differentiated Reading</p> <p>- Learn 360: The Amazing Universe</p>	<p>1.Chapter 6 – Stars and Galaxies 2.Differentiated Passage: Stars in the Sky</p> <p>Read Works Standardized Test Article: Way-Out World E.6.8.</p> <p>Text Based Article – The Outer Solar System</p> <p>News Article: Get Ready for A Close Encounter with a Massive Asteroid E.6.8.4</p> <p>Read works Standardized Article: The Most Expensive House in the Universe</p> <p>IN: Galaxies H-R Diagram</p>

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Feb. 4-8	<p>DCI 6- Motions, Forces, and Energy</p> <p>Physical Science P6.6.1 P6.6.2</p> <p>Students will use an understand Newton's laws of motion. IN: Motion, Forces, and Energy</p>	2, 3	3, 5	Students will demonstrate and understanding of Newton's laws of motion using real world models and examples.	<p>Class Works Section quiz Read Theory</p> <p>Feb. 7th 4 ½ Week Test</p>	<p>Read Theory - Differentiated Reading</p> <p>Class works Science Lesson Force and Motion</p> <p>Learn 360 – Force and Newton's Laws</p>	<p>1.Chapter 8 Force and Motion 2.Differentiated Passage: a. Describing Motion b. Isaac Newton's Laws of Motion</p> <p>Read works Standardized article: How Soccer Can Help Us Understand Physics P6.6.1</p> <p>News Article: Power Felt Converts Wasted Energy into Electricity</p> <p>Build-Testing-Improving Paper Airplanes – EDP Student Activity</p> <p>IN: Speed, Velocity, Acceleration Speed Problems Forces Force Calculations</p> <p>EDP Results of Paper Airplanes Activity</p>
Feb 11-15	<p>DCI 6- Motions, Forces, and Energy</p> <p>Physical Science P6.6.5 P6.6.4</p> <p>Students will</p>	1, 4, 5	3, 6	<p>Students will conduct investigations to predict and explain the motion of an object according to its position, direction, speed, and acceleration. Compare and contrast types of force.</p> <p>Students will create a chart that demonstrates that</p>	<p>Class Works Section quiz Read Theory</p>	<p>Read Theory - Differentiated Reading</p> <p>Class works Science Lesson: Electricity and Magnetism</p> <p>Learn 360 – Forms of Energy</p>	<p>1.Chapter 8 Force and Motion 2.Differentiated Reading Passage: a. May the Force Be With You b. Balanced and Unbalanced Forces</p> <p>Read Works Standardized Article: Sir Isaac Newton and LeBron James P.6.6.5</p>

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Crosscutting Concepts (CCC's)- 1. Patterns 2. Cause and Effect- Mechanism and Explanation 3. Scale, Proportion, and Quantity 4. Systems and System Models 5. Energy and Matter: Flows, Cycles, and Conservation 6. Structure and Function 7. Stability and Change

	<p>conduct investigations to predict and explain the motion of an object.</p> <p>UNIT Motion, Forces, and Energy</p>			<p>compares the types of force.</p>			<p>News Article: Will Seafloor Carpets Be the Key to Harvesting Wave Energy</p> <p>Zip Line – EDP Student Activity</p> <p>IN: Newton’s Laws</p>
Feb 18-22	<p>DCI 6- Motions, Forces, and Energy</p> <p>Physical Science P6.6.1 P6.6.3 P6.6.6 Students will use data to explain differences between forces in various environments . Use mathematical computation and diagrams to calculate the sum of forces acting on various objects.</p>	5, 6	6, 7	<p>Investigate and communicate ways to manipulate force to improve movement. Investigate forces acting on objects. Use data to explain differences between forces in various environments.</p> <p>Students will investigate difference of force on an object and compare earth, space, and underwater forces.</p>	<p>Class Works Section quiz Read Theory</p>	<p>Read Theory Differentiated Reading - Class works Science Lesson Energy Brain Pop – Forms of Energy</p>	<p>1.Chapter 8 Changes in Motion 2.Differentiated Reading Passage: a. Friction b. Gravity</p> <p>Building for Hurricanes – Engineering Design Challenge</p> <p>Read Works Standardized article: Super Bowl P.6.6.6</p> <p>Read works Standardized article: How do Airplanes Fly? P6.6.6</p> <p>News Article: ‘Master the Force’ to Explode Watermelons</p> <p>Watercraft – EDP Student activity lesson</p> <p>EDP Worksheet for the Building for Hurricanes</p> <p>Chart comparing results from hurricane activity</p>

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Crosscutting Concepts (CCC's)- 1. Patterns 2. Cause and Effect- Mechanism and Explanation 3. Scale, Proportion, and Quantity 4. Systems and System Models 5. Energy and Matter: Flows, Cycles, and Conservation 6. Structure and Function 7. Stability and Change

	UNIT Motions, Forces and Energy						Data results from Watercraft activity
Feb. 25- Mar. 1	DCI 6- Motions, Forces, and Energy Physical Science P6.6.7 Students will understand the relationship between potential, kinetic and thermal energy. UNIT Motion, Forces, and Energy	3, 5, 6	2	Determine the relationships between the concepts of potential, kinetic and thermal energy.	Class Work Chapter quiz Read Theory	Read Theory - Differentiated Reading Class works Science Lesson: Heat and Light	1.Chapter 8 Energy 2.Differentiated Reading Passage: Work, Force, Energy Read Works standardized article: Everyday Energy Read Works: Crashing, Jumping, Falling News Article: 'Fire Ice'- The New Source of Green Energy? Japan Certainly Seems to Think So Paddle Power – EDP Student Activity and worksheet IN: Potential/Kinetic Energy Energy Sources Energy Transformations Energy
Mar. 4-8	Nine Weeks Test						

** ReadTheory.org combines a no-cost, personalized online learning environment with increasing degrees of motivational content. More importantly, all content on Read Theory is in line with grade-specific Common Core State Standards on English Language Arts, ensuring that in-program progress translates to offline success on state standardized tests (Common Core). In keeping with the Common Core, Read Theory activities are designed to foster critical thinking skills, enrich vocabulary, and prepare students for college- and career-relevant literacy.