

Grade Level 8	Teacher/Room: Christina Scales/ 149 Week of: April 18, 2016	
Unit Vocabulary Milestone Review		
Monday 4-18-16		
CC Standard S8P5. Students will recognize characteristics of gravity, electricity, and magnetism as major kinds of forces acting in nature. a. Recognize that every object exerts gravitational force on every other object and that the force exerted depends on how much mass the objects have and how far apart they are.		
	Science	STEM
Instructional Strategies/ Resources Used:	Instructional game/peer collaboration	Instructional game/peer collaboration
Learning Target	I can explain the forces of motion.	I can explain the forces of motion.
Activating:	Forces of Motion http://www.bing.com/videos/search?q=different+types+of+energy+video&qpv=different+types+of+energy+video&view=detail&mid=DD7BCF16C428B6DB0AE4DD7BCF16C428B6DB0AE4&FORM=VRDGAR	Forces of Motion http://www.bing.com/videos/search?q=different+types+of+energy+video&qpv=different+types+of+energy+video&view=detail&mid=DD7BCF16C428B6DB0AE4DD7BCF16C428B6DB0AE4&FORM=VRDGAR
Class Activity:	<ol style="list-style-type: none"> 1. Return graded papers for students to use at review for Milestone/Collect Current Event 2. Play team game with Week 3 PowerPoint Milestone Review 3. Students will complete a graph/grid using a scenario provided. Students will show that the velocity of an object is the rate of change of its position. 	<ol style="list-style-type: none"> 1 Return graded papers for students to use at review for Milestone/Collect Current Event 2 Play team game with Week 3 PowerPoint Milestone Review 3 Students will complete a graph/grid using a scenario provided. Students will show that the velocity of an object is the rate of change of its position.
Assessment	Completed position grid	Completed position grid

Homework:		
Differentiation:	Peer groups	
Tuesday 4/19/16		
CC Standard S8P2. Students will be familiar with the forms and transformations of energy. <ol style="list-style-type: none"> Explain energy transformation in terms of the Law of Conservation of Energy. Explain the relationship between potential and kinetic energy. Compare and contrast the different forms of energy (heat, light, electricity, mechanical motion, sound) and their characteristics. Describe how heat can be transferred through matter by the collisions of atoms (conduction) or through space (radiation). In a liquid or gas, currents will facilitate the transfer of heat (convection). 		
	Science 1 st , 2 nd , 3 rd Block	Stem 4 th Block
Instructional Strategies/ Resources Used:	Instructional Games/make a model	Instructional Games/making a model
Learning Target	I can identify the different forms of energy.	I can identify the different forms of energy.
Different types of energy	Different types of energy http://www.bing.com/videos/search?q=different+types+of+energy+video&qvvt=different+types+of+energy+video&view=detail&mid=DD7BCF16C428B6DB0AE4DD7BCF16C428B6DB0AE4&FORM=VRDGAR	Different types of energy http://www.bing.com/videos/search?q=different+types+of+energy+video&qvvt=different+types+of+energy+video&view=detail&mid=DD7BCF16C428B6DB0AE4DD7BCF16C428B6DB0AE4&FORM=VRDGAR
Class Activity	<ol style="list-style-type: none"> Continue team game with Week 3 PowerPoint Milestone Review Make review book for forms of energy to include Potential, Kinetic, electrical, thermal, sound, and light. 	<ol style="list-style-type: none"> Play team game with Week 3 PowerPoint Milestone Review Make review book for forms of energy to include potential, Kinetic, electrical, thermal, sound, and light
Homework:	mini review foldable books	Finish mini review foldable books
Differentiation:	Word bank	

4/13/16		
<p>CC Standard</p> <p>S8P2. Students will be familiar with the forms and transformations of energy.</p> <p>a. Explain energy transformation in terms of the Law of Conservation of Energy.</p> <p>b. Explain the relationship between potential and kinetic energy.</p> <p>c. Compare and contrast the different forms of energy (heat, light, electricity, mechanical motion, sound) and their characteristics.</p> <p>d. Describe how heat can be transferred through matter by the collisions of atoms (conduction) or through space (radiation). In a liquid or gas, currents will facilitate the transfer of heat (convection).</p>		
	Science 1 st , 2 nd , 3 rd , Block	Stem 4 th Block
Instructional Strategies/ Resources Used:	Instructional game	Instructional game
Learning Target	I can explain the transformation of energy.	I can explain the transformation of energy
Activating:	Transformation of Energy http://www.bing.com/videos/search?q=energy+transformation&&view=detail&mid=00FFF51704564BB86C3B00FFF51704564BB86C3B&FORM=VRDGAR	Transformation of Energy http://www.bing.com/videos/search?q=energy+transformation&&view=detail&mid=00FFF51704564BB86C3B00FFF51704564BB86C3B&FORM=VRDGAR
Class Activity:	<ol style="list-style-type: none"> Continue team game with Week 4 PowerPoint Milestone Review Review Power Point on energy transformation http://www.slideshare.net/jbishopgcms/energy-transformations-and-conservation <ol style="list-style-type: none"> Make flip chart demonstrating the transformation of energy from pictures provided 	<ol style="list-style-type: none"> Continue team game with Week 4 PowerPoint Milestone Review Review Power Point on energy transformation http://www.slideshare.net/jbishopgcms/energy-transformations-and-conservation <ol style="list-style-type: none"> Make flip chart demonstrating the transformation of energy from pictures provided
Assessment:	Completed flip chart	Completed flip chart
Homework:	Energy Crossword Puzzle	Energy Crossword Puzzle
Differentiation:		
Thursday 4/20/16		

<p>CC Standard S8P5. Students will recognize characteristics of gravity, electricity, and magnetism as major kinds of forces acting in nature. a. Recognize that every object exerts gravitational force on every other object and that the force exerted depends on how much mass the objects have and how far apart they are.</p>		
	Science 1 st , 2 nd , 3 rd Block	Stem 4 th Block
Instructional Strategies/ Resources Used:	Student technology	Student technology
Learning Target	I can demonstrate an understanding of how to maneuver through the practice milestone test.	I can demonstrate an understanding of how to maneuver through the practice milestone test
Activating:		
Class Activity:	<ol style="list-style-type: none"> 1. Computer Lab—practice Milestone sample test on computer 2. If time permits, students will complete Study Island 	<ol style="list-style-type: none"> 1. Computer Lab—practice Milestone sample test on computer 2. If time permits, students will complete Study Island
Assessment:	Understanding of Milestone program	Understanding of Milestone program
Homework:		
Differentiation:		
Friday 4/21/16		
	Science 1 st Block	Stem 4 th Block
Instructional Strategies/ Resources Used:	Direct instruction/art/group work	Direct instruction/art/group work
Learning Target	I can identify simple and complex machines.	I can identify simple and complex machines.
Activating:	Simple Machines https://www.youtube.com/watch?v=9T7tGosXM58&list=PLEReuwdlvkCudyS8n8wVI7QWEvZ4LZde9	Simple Machines https://www.youtube.com/watch?v=9T7tGosXM58&list=PLEReuwdlvkCudyS8n8wVI7QWEvZ4LZde9

Class Activity:	<ol style="list-style-type: none"> 1. After watching video and taking notes, students will be split into groups to design a poster that includes an assigned simple machine and write a definition. 2. Students will present to the class. 	<ol style="list-style-type: none"> 1. After watching video and taking notes, students will be split into groups to design a poster that includes an assigned simple machine and write a definition. 2. Students will present to the class.
Assessment:	Completed poster	
Homework:		
Differentiation:		