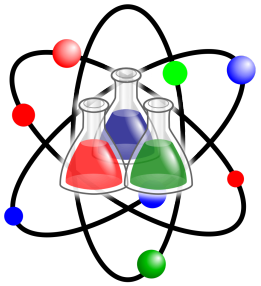
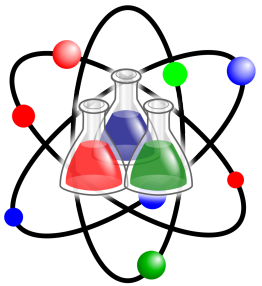
Eighth Grade Science
Weekly Agenda



Week: *June 9 - June 13*
Topic: *END OF YEAR!*
Teachers: *Ms. Stephens, Mrs. Cohen, Mrs. Mule´*

	6/9 Monday	6/10 Tuesday	6/11 Wednesday	6/12 Thursday	6/13 Friday
Objective	Students will analyze a human body system & invent a creative solution to improve upon its function.	Students will analyze a human body system & invent a creative solution to improve upon its function.	Students will analyze a human body system & invent a creative solution to improve upon its function.	Students will analyze a human body system & invent a creative solution to improve upon its function.	Students will analyze a human body system & invent a creative solution to improve upon its function.
Activities	8th Grade Awards Carnival	No School	Community Service Breakfast & Pool Party	Brain Movie	Brain Movie
Homework					
Upcoming Events and Important Due Dates:					

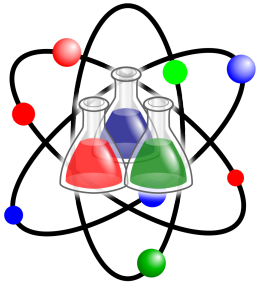
Eighth Grade Science
Weekly Agenda



Week: *June 2 - June 6*
Topic: *Build a Better Body*
Teachers: *Ms. Stephens, Mrs. Cohen, Mrs. Mule´*

	6/2 Monday	6/3 Tuesday	6/4 Wednesday	6/5 Thursday	6/6 Friday
Objective	Students will determine the structures and functions of each part of the brain & nervous system.	Students will determine the structures and functions of each part of the brain & nervous system.	Students will analyze a human body system & invent a creative solution to improve upon its function.	Students will analyze a human body system & invent a creative solution to improve upon its function.	Students will analyze a human body system & invent a creative solution to improve upon its function.
Activities	Build a Better Body	Build a Better Body	Build a Better Body	Build a Better Body - Finishing touches Hang model & plaque	Build a Better Body Gallery Walk / Scavenger Hunt
Homework	Bring in supplies as needed	Bring in supplies as needed	Finish Plaque		
Upcoming Events and Important Due Dates:					

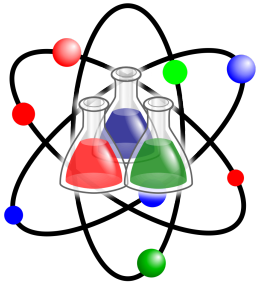
Eighth Grade Science
Weekly Agenda



Week: *May 26-30*
Topic: *Build a Better Body*
Teachers: *Ms. Stephens, Mrs. Cohen, Mrs. Mule´*

	5/26 Monday	5/27 Tuesday	5/28 Wednesday	5/29 Thursday	5/30 Friday
Objective		Students will determine the structures and functions of each part of the brain & nervous system.	Students will determine the structures and functions of each part of the brain & nervous system.		
Activities	No School	Build a Better Body (Nervous system quiz: Cohen)	Build a Better Body	DC	DC
Homework					
Upcoming Events and Important Due Dates:	**Nervous System Quiz: Tuesday, 5/27 Cohen**				

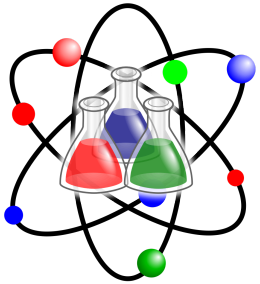
Eighth Grade Science
Weekly Agenda



Week: *May 19-23*
Topic: *Nervous System*
Teachers: *Ms. Stephens, Mrs. Cohen, Mrs. Mule´*

	5/19 Monday	5/20 Tuesday	5/21 Wednesday	5/22 Thursday	5/23 Friday
Objective	Students will determine the structures and functions of each part of the brain & nervous system.	Students will determine the structures and functions of each part of the brain & nervous system.	Students will determine the structures and functions of each part of the brain & nervous system.	Students will determine the structures and functions of each part of the brain & nervous system.	Students will determine the structures and functions of each part of the brain & nervous system.
Activities	*iReady - Advisory* Heart Rate Lab Presentations Fill in Nervous System Notes, Edpuzzle	*iReady - Advisory* Parts of the Brain Diagram & Practice WS Brain Practice Worksheets	*DC Assembly 5th pd* Brain Stations Learning Style Inventory, Color Your Brain Quiz Review (Cohen)	*iReady - Advisory* Quiz Review Nervous System Quiz–Cohen	*iReady - Advisory* Nervous System Quiz Intro Build a Better Body
Homework					
Upcoming Events and Important Due Dates:	**Nervous System Quiz: Tuesday, 5/27 Cohen** **Nervous System Quiz: Friday, 5/23 Mule and Stephens**				

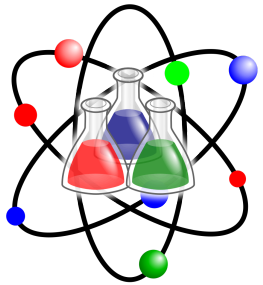
Eighth Grade Science
Weekly Agenda



Week: *May 12-16*
Topic: *Circulatory/Respiratory system*
Teachers: *Ms. Stephens, Mrs. Cohen, Mrs. Mule´*

	5/12 Monday	5/13 Tuesday	5/14 Wednesday	5/15 Thursday	5/16 Friday
Objective	Students will learn how the circulatory and respiratory systems are interconnected.	Students will be able to design and implement an experiment that will either increase/ decrease their heart rate.	Students will be able to design and implement an experiment that will either increase/ decrease their heart rate.	Students will be able to design and implement an experiment that will either increase/ decrease their heart rate.	Students will be able to design and implement an experiment that will either increase/ decrease their heart rate.
Activities	Circulatory & Respiratory System Quiz Intro Heart Rate Lab	Heart Rate Lab	Heart Rate Lab	Heart Rate Lab	Heart Rate Lab
Homework					
Upcoming Events and Important Due Dates:	**Circulatory & Respiratory System Quiz: Monday, 5/12**				

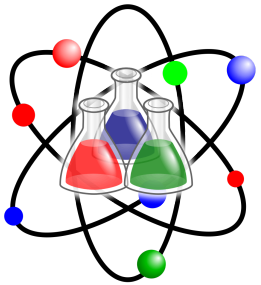
Eighth Grade Science
Weekly Agenda



Week: *May 5-9*
Topic: *Respiratory System*
Teachers: *Ms. Stephens, Mrs. Cohen, Mrs. Mule´*

	5/5 Monday	5/6 Tuesday	5/7 Wednesday	5/8 Thursday	5/9 Friday
Objective				Students will learn how the circulatory and respiratory systems are interconnected.	Students will learn how the circulatory and respiratory systems are interconnected.
Activities	NJSLA–Math Rube Goldberg build	NJSLA–Math Rube Goldberg build	NJSLA–Math Rube Goldberg presentations	Respiratory System Lab Practice Worksheet	Quiz Review
Homework					
Upcoming Events and Important Due Dates:	**Circulatory & Respiratory System Quiz: Monday, 5/12**				

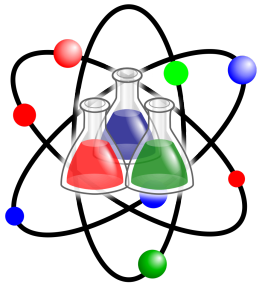
Eighth Grade Science
Weekly Agenda



Week: *April 28-May 2*
Topic: *Circulatory System*
Teachers: *Ms. Stephens, Mrs. Cohen, Mrs. Mule´*

	4/28 Monday	4/29 Tuesday	4/30 Wednesday	5/1 Thursday	5/2 Friday
Objective			Students will learn how the circulatory and respiratory systems are interconnected.		
Activities	NJSLA–ELA Periods 4, 5, 7: Intro. Rube Goldberg build	NJSLA–ELA Periods 4, 5, 7: Rube Goldberg build	Go over notes Respiratory System Diagram Edpuzzle and WS	NJSLA–Science Periods 4, 5, 7: Rube Goldberg build	NJSLA–Science Periods 4, 5, 7: Rube Goldberg build
Homework					
Upcoming Events and Important Due Dates:	**Circulatory & Respiratory System Quiz: Monday, 5/12**				

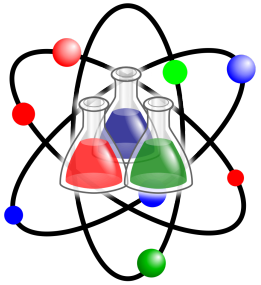
Eighth Grade Science
Weekly Agenda



Week: *April 21-25*
Topic: *Body Systems*
Teachers: *Ms. Stephens, Mrs. Cohen, Mrs. Mule´*

	4/21 Monday	4/22 Tuesday	4/23 Wednesday	4/24 Thursday	4/25 Friday
Objective	Students will be able to understand that the human body systems are interconnected and rely on one another.	Students will practice completing the NJSLA 8th grade science assessment.	Students will learn how the circulatory and respiratory systems are interconnected.	Students will learn how the circulatory and respiratory systems are interconnected.	Students will learn how the circulatory and respiratory systems are interconnected.
Activities	Human Body Scavenger Hunt Amoeba Sisters: Body Systems Video and Questions	NJSLA Practice	Heart Diagram Circulatory System Edpuzzle	Circulatory System Gizmo	Parts of the Heart WS Finish Gizmo Fill in Respiratory System Notes
Homework		Fill in Circulatory System Notes pages 1-3	Circulatory System Practice Wkst		
Upcoming Events and Important Due Dates:	Circulatory & Respiratory System Quiz: Monday, 5/12				

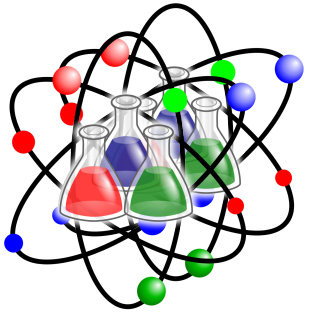
Eighth Grade Science
Weekly Agenda



Week: *April 7-11*
Topic: *Energy*
Teachers: *Ms. Stephens, Mrs. Cohen, Mrs. Mule´*

	4/7 Monday	4/8 Tuesday	4/9 Wednesday	4/10 Thursday	4/11 Friday
Objective	Students will be able to define energy transformation and the law of conservation of energy.	Students will be able to define energy transformation and the law of conservation of energy.	Students will demonstrate their knowledge of Physics concepts on the Physics Quarterly Assessment.	Students will demonstrate their knowledge of Physics concepts on the Physics Quarterly Assessment.	Students will demonstrate their knowledge of Physics concepts on the Physics Quarterly Assessment.
Activities	Roller Coaster Project	Roller Coaster Project Test Day Quarterly Review	Quarterly Review	Quarterly	Quarterly
Homework			Study Guide		
Upcoming Events and Important Due Dates:	**Physics Quarterly: Thursday and Friday, 4/10 and 4/11**				

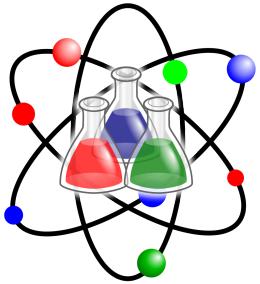
Eighth Grade Science
Weekly Agenda



Week: *March 31 - April 4*
Topic: *Energy*
Teachers: *Ms. Stephens, Mrs. Cohen, Mrs. Mule´*

	3/31 Monday	4/1 Tuesday	4/2 Wednesday	4/3 Thursday	4/4 Friday
Objective	Students will be able to define energy transformation and the law of conservation of energy.	Students will be able to define energy transformation and the law of conservation of energy.	Students will be able to define energy transformation and the law of conservation of energy.	Students will be able to define energy transformation and the law of conservation of energy.	Students will be able to define energy transformation and the law of conservation of energy.
Activities	Energy Quiz Review **Small group instruction–math problems**	Energy Quiz Intro to Roller Coaster Project	Roller Coaster Project	Roller Coaster Project	Roller Coaster Project
Homework	Study for quiz tomorrow				
Upcoming Events and Important Due Dates:	**Energy Quiz: Tuesday, April 1** **Physics Quarterly: Thursday and Friday, 4/10 and 4/11**				

Eighth Grade Science
Weekly Agenda

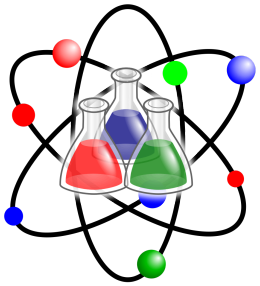


Week: *March 24-28*
Topic: *Energy*
Teachers: *Ms. Stephens, Mrs. Cohen, Mrs. Mule´*

	3/24 Monday	3/25 Tuesday	3/26 Wednesday	3/27 Thursday	3/28 Friday
Objective	Students will be able to understand the relationship between potential and kinetic energy. Students will be able to understand the cause and effect of changing the mass and distance on potential and kinetic energy.	Students will be able to understand the relationship between potential and kinetic energy. Students will be able to understand the cause and effect of changing the mass and distance on potential and kinetic energy.	Students will be able to understand the relationship between potential and kinetic energy. Students will be able to understand the cause and effect of changing the mass and distance on potential and kinetic energy.	Students will be able to define energy transformation and the law of conservation of energy.	Students will be able to define energy transformation and the law of conservation of energy.
Activities	Potential Energy/ Kinetic Energy Notes Start Activity List	Energy Activity List	Energy Activity List	Review Energy Activity List Energy Transformation Notes Practice Worksheet	Energy Transformation Lab
Homework	Activity List due Thursday, 3/27	Activity List due Thursday, 3/27	Activity List due Thursday, 3/27	Finish Practice WS	Finish Lab
Upcoming	**Energy Quiz: Tuesday, April 1**				

Events and Important Due Dates:	Physics Quarterly: Thursday, April 10

Eighth Grade Science Weekly Agenda

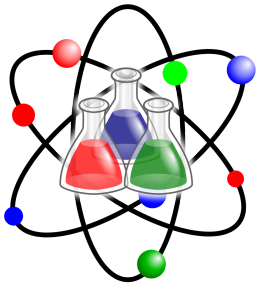


Week: *March 17-21*
Topic: *Car Crash*
Teachers: *Ms. Stephens, Mrs. Cohen, Mrs. Mule´*

	3/17 Monday	3/18 Tuesday	3/19 Wednesday	3/20 Thursday	3/21 Friday
Objective	Students will be able to explain the safety features of cars based on their knowledge of forces, momentum, and Newton's Laws.	Students will be able to explain the safety features of cars based on their knowledge of forces, momentum, and Newton's Laws.	Students will be able to design, construct and test the safety systems (restraint and bumper) for a car to keep the "passenger" safe. Students will be able to design a restraint and bumper system in a car using the laws of motion.	Students will be able to design, construct and test the safety systems (restraint and bumper) for a car to keep the "passenger" safe. Students will be able to design a restraint and bumper system in a car using the laws of motion.	Students will be able to design, construct and test the safety systems (restraint and bumper) for a car to keep the "passenger" safe.
Activities	Car Build	Car Build	Car Build	Unity Day	Car Testing Day & Analysis
Homework					Car Crash Analysis due Monday
Upcoming Events					

and Important Due Dates:	

Eighth Grade Science
Weekly Agenda

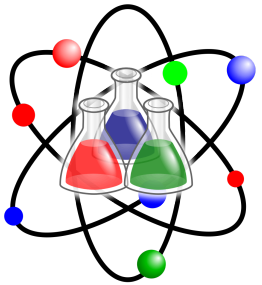


Week: *March 10-14*
Topic: *Forces*
Teachers: *Ms. Stephens, Mrs. Cohen, Mrs. Mule´*

	3/10 Monday	3/11 Tuesday	3/12 Wednesday	3/13 Thursday	3/14 Friday
Objective	Students will be able to explain the safety features of cars based on their knowledge of forces, momentum, and Newton's Laws.	Students will be able to explain the safety features of cars based on their knowledge of forces, momentum, and Newton's Laws.	Students will be able to design, construct and test the safety systems (restraint and bumper) for a car to keep the "passenger" safe. Students will be able to design a restraint and bumper system in a car using the laws of motion.	Students will be able to design, construct and test the safety systems (restraint and bumper) for a car to keep the "passenger" safe. Students will be able to design a restraint and bumper system in a car using the laws of motion.	Students will be able to design, construct and test the safety systems (restraint and bumper) for a car to keep the "passenger" safe.
Activities	Half Day Intro Car Crash • Get in groups • Brainstorming	Crumple Zones Gizmo	• Get in groups • Brainstorming • Group rough draft design sheet	Finish rough draft sheet Start designing	Car Build
Homework	Bring in supplies	Finish Gizmo Bring in supplies	Bring in supplies	Bring in supplies	
Upcoming					

Events and Important Due Dates:	

Eighth Grade Science
Weekly Agenda

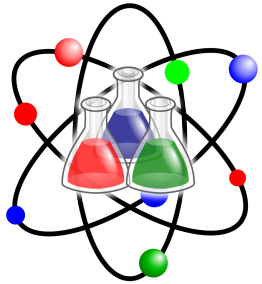


Week: *March 3-7*
Topic: *Forces*
Teachers: *Ms. Stephens, Mrs. Cohen, Mrs. Mule´*

	3/3 Monday	3/4 Tuesday	3/5 Wednesday	3/6 Thursday	3/7 Friday
Objective	Students will be able to explain Newton's Laws of Motion.	Students will be able to explain Newton's Laws of Motion.	Students will be able to explain Newton's Laws of Motion.	Students will be able to explain Newton's Laws of Motion.	Students will be able to explain Newton's Laws of Motion.
Activities	Newton's Laws of Motion Lab (Class Rotations) *Law 1: Stephens* *Law 2: Mule´* *Law 3: Cohen*	Newton's Laws of Motion Lab (Class Rotations) *Law 1: Stephens* *Law 2: Mule´* *Law 3: Cohen*	Newton's Laws of Motion Lab (Class Rotations) *Law 1: Stephens* *Law 2: Mule´* *Law 3: Cohen*	Review Newton's Laws worksheets Review Game	Forces/Newton's Law Quiz
Homework	Newton's Laws practice wksts Lab sheets.	Newton's Laws practice wksts. Lab sheets	Newton's Laws practice wksts. Lab sheets	Lab Sheets due Friday	
Upcoming Events	**Newton's Laws/Forces Quiz: Friday, March 7**				

and Important Due Dates:	

Eighth Grade Science
Weekly Agenda

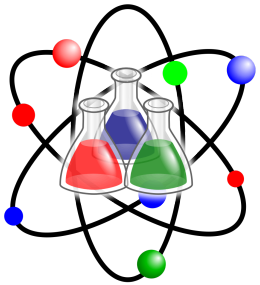


Week: *February 24-28*
Topic: *Forces*
Teachers: *Ms. Stephens, Mrs. Cohen, Mrs. Mule´*

	2/24 Monday	2/25 Tuesday	2/26 Wednesday	2/27 Thursday	2/28 Friday
Objective	Students will learn about force, momentum and friction. Students will learn how force affects motion.	Students will learn about force, momentum and friction. Students will learn how force affects motion.	Students will learn about force, momentum and friction. Students will learn how force affects motion.	Students will learn about force, momentum and friction. Students will learn how force affects motion.	Students will learn about Newton's Three Laws and how they affect objects in motion
Activities	Forces Benchmark Understanding Forces Worksheet EdPuzzle	Review Net Force Slides Force Equation worksheets	Momentum Notes Momentum & Force Problems	Momentum Bashing Lab Momentum Worksheets	Newton's Laws of Motion Foldable Newton's Laws Practice in Google Classroom
Homework	Net Forces practice slides	Force Equation worksheets	Momentum Problems	Finish Lab	Practice due Monday

Upcoming Events and Important Due Dates:	

Eighth Grade Science
Weekly Agenda

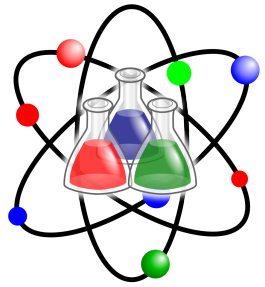


Week: *February 17 - 21*
Topic: *SVA*
Teachers: *Ms. Stephens, Mrs. Cohen, Mrs. Mule´*

	2/17 Monday	2/18 Tuesday	2/19 Wednesday	2/20 Thursday	2/21 Friday
Objective	OFF	OFF	Students will demonstrate knowledge of speed, velocity, acceleration, and motion graphs through a quest..	Students will demonstrate knowledge of speed, velocity, acceleration, and motion graphs through a quest	Students will demonstrate knowledge of speed, velocity, acceleration, and motion graphs through a quest.
Activities			Review Motion Stories Study Guide for SVA Quest	Study Guide for SVA Test	SVA Test Forces Benchmark Notes
Homework			Study	Study	
Upcoming Events	**Speed, Velocity, Acceleration, and Motion Graph Test Friday, Feb 21**				

and Important Due Dates:	

Eighth Grade Science
Weekly Agenda

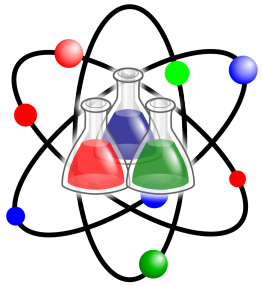


Week: *Feb 10-14*
Topic: Speed and Acceleration
Teachers: *Ms. Stephens, Mrs. Cohen, Mrs. Mule´*

	2/10 Monday	2/11 Tuesday	2/12 Wednesday	2/13 Thursday	2/14 Friday
Objective	Half Day Students will be able to analyze how calculating speed, velocity, and acceleration describes the motion of an object.	Students will be able to analyze how calculating speed, velocity, and acceleration describes the motion of an object through a graph.	Students will be able to analyze how calculating speed, velocity, and acceleration describes the motion of an object through a graph.	Students will be able to analyze how calculating speed, velocity, and acceleration describes the motion of an object through a graph.	Students will be able to analyze how calculating speed, velocity, and acceleration describes the motion of an object through a graph.
Activities	Acceleration Practice Review Worksheets	Honors Physics Placement Test	Motion Graph Notes and Practice Slides Creating Motion Graphs Activity Part 1	Creating Motion Graphs Activity	Motion Stories
Homework			Finish Part 1	Finish Parts 2/ 3 of activity	Finish Motion Stories Slides

Upcoming Events and Important Due Dates:	**Speed, Velocity, Acceleration, and Motion Graph Test** **Friday, Feb 21**

Eighth Grade Science
Weekly Agenda

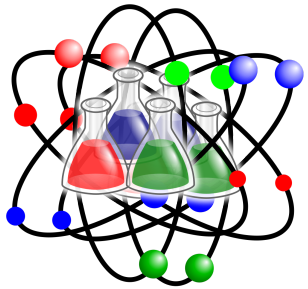


Week: *Feb 2 - 7*
Topic: Speed and Acceleration
Teachers: *Ms. Stephens, Mrs. Cohen, Mrs. Mule´*

	2/3 Monday	2/4 Tuesday	2/5 Wednesday	2/6 Thursday	2/7 Friday
Objective	Students will be able to analyze how calculating speed, velocity, and acceleration describes the motion of an object.	Students will be able to analyze how calculating speed, velocity, and acceleration describes the motion of an object through a lab.	Students will be able to analyze how calculating speed, velocity, and acceleration describes the motion of an object.	Students will be able to analyze how calculating speed, velocity, and acceleration describes the motion of an object.	Advisory Students will be able to analyze how calculating speed, velocity, and acceleration describes the motion of an object.
Activities	Bubble Gum Lab	Speed Check for Understanding Acceleration Notes	Acceleration Practice Problems	Honors Physics Placement Test	Acceleration Practice (Speed & Acceleration Practice WS, SVA #1, and SVA #2)
Homework		EdPuzzle			

Upcoming Events and Important Due Dates:	**Speed Check for Understanding: Tues 2/4**

Eighth Grade Science
Weekly Agenda

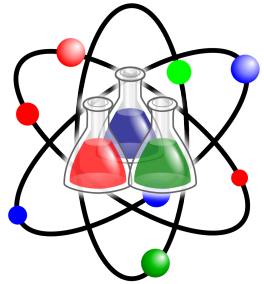


Week: *Jan 27 -30*
Topic: *Quarterly/ Speed, Velocity, and Acceleration*
Teachers: *Ms. Stephens, Mrs. Cohen, Ms. Landry (Mrs. Mule')*

	1/27 Monday	1/28 Tuesday	1/29 Wednesday	1/30 Thursday	1/31 Friday
Objective	To demonstrate knowledge of Weather and Climate and the Sun-Earth-Moon interactions.	To demonstrate knowledge of Weather and Climate and the Sun-Earth-Moon interactions.	Students will be able to analyze how calculating speed, velocity, and acceleration describes the motion of an object. Students will understand how scalars and vectors are used to describe motion.	Students will be able to analyze how calculating speed, velocity, and acceleration describes the motion of an object.	**HALF DAY** Students will be able to analyze how calculating speed, velocity, and acceleration describes the motion of an object.
Activities	Earth Science Quarterly Review	Earth Science Quarterly	SVA Notes Demo for meters/second	Scalar and Vector Worksheets Speed and Velocity Worksheets 1/2	Calculating Average Speed worksheet Speed and Velocity Worksheet 3
Homework	STUDY		EdPuzzle	Finish Worksheets	

	Mind Map (EC) due Tuesday				
Upcoming Events and Important Due Dates:	**Earth Science Quarterly: Tuesday, 1/28** **Speed Check for Understanding: Tues 2/4**				

Eighth Grade Science Weekly Agenda

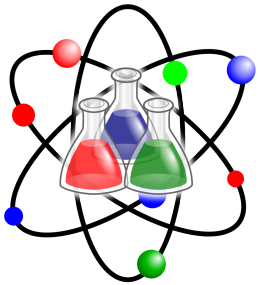


Week: *Jan 20 - 24*
Topic: *Seasons*
Teachers: *Ms. Stephens, Mrs. Cohen, Ms. Landry (Mrs. Mule')*

	1/20 Monday	1/21 Tuesday	1/22 Wednesday	1/23 Thursday	1/24 Friday
Objective	OFF	Students will be able to explain how the Sun, Earth, and Moon interaction causes the phases, tides, and eclipses.	Students will be able to explain how the Sun, Earth, and Moon interaction causes the phases, tides, and eclipses.	Students will be able to explain how the Sun, Earth, and Moon interaction causes the phases, tides, and eclipses.	Students will be able to examine the relationship between the tilt of the Earth and seasonal changes.
Activities		Go over Seasons Notes Seasons Lessons Seasons worksheet 1	Seasons Data Activity	Go over Seasons Practice 2 Seasons Data Activity	Earth Science Quarterly Review
Homework		Seasons worksheet 1	Seasons Practice 2	Finish Seasons Data Activity & Study for quarterly	STUDY Mind Map (EC) due Tuesday

Upcoming Events and Important Due Dates:	**Earth Science Quarterly: Tuesday, 1/28**

Eighth Grade Science
Weekly Agenda

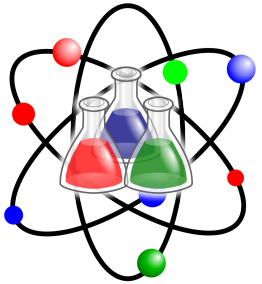


Week: *Jan 13-17*
Topic: *Eclipses/Tides*
Teachers: *Ms. Stephens, Mrs. Cohen, Ms. Landry (Mrs. Mule')*

	1/13 Monday	1/14 Tuesday	1/15 Wednesday	1/16 Thursday	1/17 Friday
Objective	Students will be able to explain how the Sun, Earth, and Moon interaction causes the phases, tides, and eclipses.	Students will be able to explain how the Sun, Earth, and Moon interaction causes the phases, tides, and eclipses.	Students will be able to explain how the Sun, Earth, and Moon interaction causes the phases, tides, and eclipses.	Students will be able to explain how the Sun, Earth, and Moon interaction causes the phases, tides, and eclipses.	Students will be able to explain how the Sun, Earth, and Moon interaction causes the phases, tides, and eclipses.
Activities	Tides Notes Intro Tides Graphing	Tides Graphing	Finish Tides Graphing Tides worksheet Intro Poster	Moon, Eclipses, and Tides Poster Study for Quiz	Eclipses/Tides Mini Quiz Moon, Eclipses, and Tides Poster Fill in Seasons Notes

Homework			Finish Tides Graphing	Poster	Finish Notes
Upcoming Events and Important Due Dates:	**Eclipses/Tides Mini Quiz: Friday 1/17** **Earth Science Quarterly: Tuesday, 1/28**				

Eighth Grade Science
Weekly Agenda

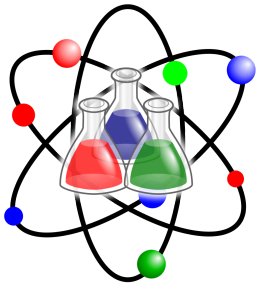


Week: *Jan 6-10*
Topic: *Moon Phases/Eclipses*
Teachers: *Ms. Stephens, Mrs. Cohen, Ms. Landry (Mrs. Mule')*

	1/6 Monday	1/7 Tuesday	1/8 Wednesday	1/9 Thursday	1/10 Friday
Objective	Students will be able to explain how the Sun, Earth, and Moon interaction causes the phases of the moon.	Students will be able to explain how the Sun, Earth, and Moon interaction causes the phases of the moon.	Students will be able to explain how the Sun, Earth, and Moon interaction causes the phases of the moon	Students will be able to explain how the Sun, Earth, and Moon interaction causes the phases, tides, and eclipses.	Students will be able to explain how the Sun, Earth, and Moon interaction causes the phases, tides, and eclipses.
Activities	Review Matching Moon Phases Worksheet Moon Phase foldable diagram	Moon phase drawing Moon Phase Gizmo	Escape room/ activity moon phase review Moon Bingo Review	Moon Quiz Eclipse Clay Activity and Notes	Eclipse Practice Wkst Eclipse Coloring worksheet

Homework	EdPuzzle	Finish Gizmo	Study for Quiz	Eclipses Edpuzzle	
Upcoming Events and Important Due Dates:	**Moon Mini Quiz: Thursday, 1/9** **Eclipses/Tides Mini Quiz: Friday 1/17**				

Eighth Grade Science
Weekly Agenda

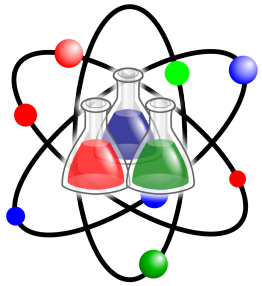


Week: *Jan 2-3*
Topic: *Moon Phases*
Teachers: *Ms. Stephens, Mrs. Cohen, Ms. Landry (Mrs. Mule')*

	12/30 Monday	12/31 Tuesday	1/1 Wednesday	1/2 Thursday	1/3 Friday
Objective	**OFF**	**OFF**	**OFF**	Students will be able to explain the relationship between the uneven heating of the Earth, atmospheric circulation, and oceanic circulation of their designated city.	Students will be able to explain how the Sun, Earth, and Moon interaction causes the phases of the moon.
Activities				Climate Project	Characteristics of the Moon & Moon Phases Notes Matching Moon Phases Worksheet

Homework				Climate Project due Friday	Finish Matching Moon Phases Worksheet
Upcoming Events and Important Due Dates:	**Moon Mini Quiz: Thursday, 1/9 (tentative)**				

Eighth Grade Science
Weekly Agenda

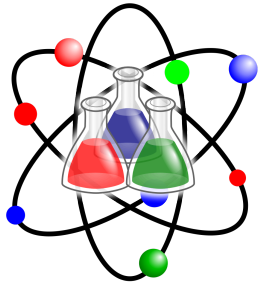


Week: *Dec. 16-20*
Topic: *Winds & Ocean Currents*
Teachers: *Ms. Stephens, Mrs. Cohen, Ms. Landry (Mrs. Mule')*

	12/16 Monday	12/17 Tuesday	12/18 Wednesday	12/19 Thursday	12/20 Friday
Objective	Students will review Weather & Climate concepts.	Students will review Weather & Climate concepts.	Students will review Weather & Climate concepts.	Students will be able to explain the relationship between the uneven heating of the Earth, atmospheric circulation, and oceanic circulation of their designated city.	Students will demonstrate their knowledge of Weather & Climate concepts.
Activities	Weather & Climate Review Games	Weather & Climate Study Guide	Weather & Climate TEST Assign Climate Project	Climate Project	Holiday Fun

Homework	Study	Study		Climate Project	
Upcoming Events and Important Due Dates:	**Weather & Climate Test -Wednesday, Dec 18**				

Eighth Grade Science
Weekly Agenda

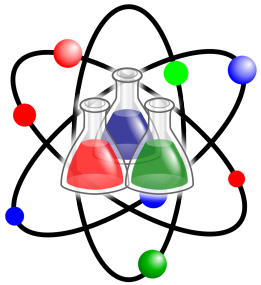


Week: *Dec. 9-13*
Topic: *El Nino/La Nina, Climographs*
Teachers: *Ms. Stephens, Mrs. Cohen, Ms. Landry (Mrs. Mule')*

	12/9 Monday	12/10 Tuesday	12/11 Wednesday	12/12 Thursday	12/13 Friday
Objective	Students will be able to determine whether a particular year was considered an El Nino year by analyzing and interpreting SST (Sea Surface Temperature) graphs.	Students will be able to determine whether a particular year was considered an El Nino year by analyzing and interpreting SST (Sea Surface Temperature) graphs.	Students will be able to determine characteristics of an El Nino year, La Nina year, and a Normal year	Students will be able to explain the relationship between the uneven heating of the Earth, atmospheric circulation, and oceanic circulation of their designated city.	Students will be able to explain the relationship between the uneven heating of the Earth, atmospheric circulation, and oceanic circulation of their designated city.
Activities	El Nino color coded maps	El Nino color coded maps	El Nino Activity Scavenger Hunt	Intro. To Climographs Climographs Activity	Advisory Climographs Activity

Homework				Climographs Activity due Friday at end of period	Study for Test Wed.
Upcoming Events and Important Due Dates:	**Weather & Climate Test -Wednesday, Dec 18**				

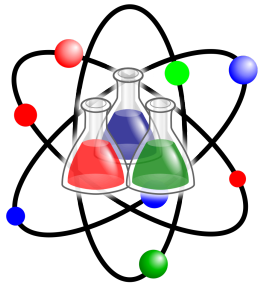
Eighth Grade Science
Weekly Agenda



Week: *Dec. 2 - 6*
Topic: *Winds & Ocean Currents*
Teachers: *Ms. Stephens, Mrs. Cohen, Ms. Landry (Mrs. Mule')*

	12/2 Monday	12/3 Tuesday	12/4 Wednesday	12/5 Thursday	12/6 Friday
Objective	Students will be able to explain the relationship between the uneven heating of the Earth, atmospheric circulation, and oceanic circulation.	Students will be able to explain the relationship between the uneven heating of the Earth, atmospheric circulation, and oceanic circulation.	Students will be able to explain the relationship between the uneven heating of the Earth, atmospheric circulation, and oceanic circulation	Students will be able to explain the relationship between the uneven heating of the Earth, atmospheric circulation, and oceanic circulation	Students will be able to determine whether a particular year was considered an El Nino year by analyzing and interpreting SST (Sea Surface Temperature) graphs.
Activities	Review Local Winds Ocean currents Demo Ocean Currents Notes	Local Winds Mini Quiz Demo videos–Per 1	Review Ocean color coded worksheet	Advisory Finish Comparing Global Winds and	El Nino Notes El Nino color coded maps

	Ocean currents Demo questions (Assembly-Period 1)	Ocean color coded worksheet	Comparing Global Winds and Ocean Currents	Ocean Currents worksheets EdPuzzle	
Homework					
Upcoming Events and Important Due Dates:	**Local Winds Mini Quiz - Tuesday, 12/3**				



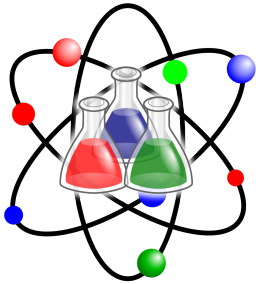
Eighth Grade Science
Weekly Agenda

Week: *Nov. 25-27*
Topic: *Local Winds*
Teachers: *Ms. Stephens, Mrs. Cohen,Ms. Landry (Mrs. Mule')*

	11/25 Monday	11/26 Tuesday	11/27 Wednesday	11/28 Thursday	11/29 Friday
Objective	Students will be able to explain the relationship between the uneven heating of the Earth, atmospheric circulation, and oceanic circulation	Students will be able to explain the relationship between the uneven heating of the Earth, atmospheric circulation, and oceanic circulation.	**½ day**	**OFF**	**OFF**

Activities	Global Winds Mini Quiz Local Winds Benchmark	Review Local Winds Local winds worksheets EdPuzzle	Review Local Winds Drag and Drop Local Winds Worksheets and drag and drop (Land/Sea and Mountain/Valley) Team Activities		
Homework					
Upcoming Events and Important Due Dates:	**Global Winds Mini Quiz - Monday 11/25** **Local Winds Quiz: Tues. 12/3**				

Eighth Grade Science
Weekly Agenda

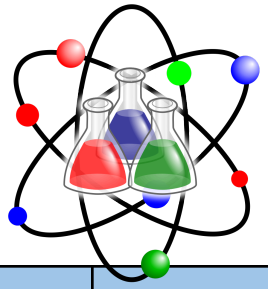


Week: *Nov. 18-22*
Topic: *Coriolis Effect/Global Winds*
Teachers: *Ms. Stephens, Mrs. Cohen, Ms. Landry (Mrs. Mule')*

	11/18 Monday	11/19 Tuesday	11/20 Wednesday	11/21 Thursday	11/22 Friday

Objective	Students will be able to understand how the rotation of the Earth causes objects to move in a curve rather than a straight line.	Students will be able to understand how the rotation of the Earth causes objects to move in a curve rather than a straight line.	Students will be able to explain the relationship between the uneven heating of the Earth, atmospheric circulation, and oceanic circulation.	Students will be able to explain the relationship between the uneven heating of the Earth, atmospheric circulation, and oceanic circulation.	Students will be able to explain the relationship between the uneven heating of the Earth, atmospheric circulation, and oceanic circulation.
Activities	Coriolis Lab (Cohen 1-4: Gizmos) (Cohen–5/7)	Coriolis Gizmos (Cohen 1-4: Lab) (Cohen-5/7)	Global Winds Benchmark Global Winds Diagram Global Wind Belt questions	Global Winds Drag and Drop Prevailing Wind System Diagram and Questions	Advisory Review Prevailing Wind Belt questions Global Winds Round Robin Blooket
Homework	Finish Lab Questions	Finish Gizmos	Finish Global Wind Belt questions		Study - Mini Quiz tomorrow
Upcoming Events and Important Due Dates:	**Global Winds Mini Quiz - Monday 11/25**				

Eighth Grade Science
Weekly Agenda

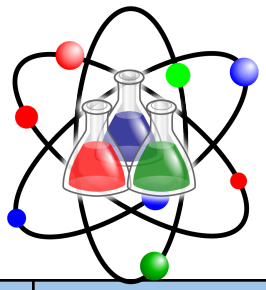


Week: *Nov. 11-15*
Topic: *Chemistry Quarterly/Weather/Climate*
Teachers: *Ms. Stephens, Mrs. Cohen,Ms. Landry (Mrs. Mule')*

	11/11 Monday	11/12 Tuesday	11/13 Wednesday	11/14 Thursday	11/15 Friday

Objective	Students will be able demonstrate knowledge of Chemistry through a summative assessment..	Students will be able demonstrate knowledge of Chemistry through a summative assessment..	**Advisory** Students will be able to explain the difference between weather and climate.	Students will be able to explain the difference between weather and climate.	Students will be able to understand how the rotation of the Earth causes objects to move in a curve rather than a straight line.
Activities	Quarterly Study Guide	Quarterly	Weather and Climate Notes Edpuzzle, Weather & Climate Vocab Word Search	Skittles Lab	Coriolis Effect Notes Turntable Demo Video and Questions
Homework	Study for Quarterly		Finish Edpuzzle	Finish Lab questions	Finish video questions
Upcoming Events and Important Due Dates:	**Chemistry Quarterly: Tuesday, 11/12**				

Eighth Grade Science
Weekly Agenda

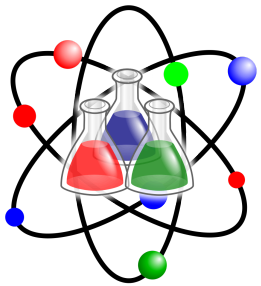


Week: *Nov. 4-8*
Topic: *Chemistry Quarterly*
Teachers: *Ms. Stephens, Mrs. Cohen, Ms. Landry (Mrs. Mule')*

	11/4 Monday	11/5 Tuesday	11/6 Wednesday	11/7 Thursday	11/8 Friday

Objective	Students will be able demonstrate knowledge of Chemistry through a summative assessment..	**OFF-PD DAY**	Students will be able demonstrate knowledge of Chemistry through a summative assessment..	**OFF**	**OFF**
Activities	LEDS Review and mini lessons Quarterly Study Guide		Quarterly Study Guide		
Homework	Study for Quarterly		Study for Quarterly		
Upcoming Events and Important Due Dates:	**Chemistry Quarterly: Tuesday, 11/12**				

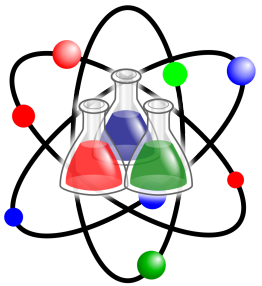
Eighth Grade Science
Weekly Agenda



Week: *October 28- Nov 1*
Topic: *Atomic Theory*
Teachers: *Ms. Stephens, Mrs. Cohen, Ms. Landry (Mrs. Mule')*

	10/28 Monday	10/29 Tuesday	10/30 Wednesday	10/31 Thursday	11/1 Friday
Objective	Students will discuss how the modern atomic model was created by not just one scientist and how it took years and many scientists to get to this discovery.	Students will discuss how the modern atomic model was created by not just one scientist and how it took years and many scientists to get to this discovery.	Students will be able to construct and interpret Bohr Models. Students will be able to identify the patterns and trends of the periodic table and apply those patterns to the Bohr models.	Students will be able to construct and interpret Bohr Models. Students will be able to identify the patterns and trends of the periodic table and apply those patterns to the Bohr models.	Students will be able to construct and interpret Bohr Models and LEDS models.
Activities	Scientist Worksheets Work on Storyboard	Scientist Quiz-20 min Bohr Model Benchmark	Bohr Practice Page A/B	Halloween Science Activity Halloween Bohr Model Practice	LEDS Notes LEDS Practice
Homework		Storyboard due Wed 10/30			Practice worksheets Quarterly Study Guide
Upcoming Events and Important Due Dates:	**Scientist Quiz-20 min: 10/29** **Chemistry Quarterly: Tuesday, 11/12**				

Eighth Grade Science Weekly Agenda

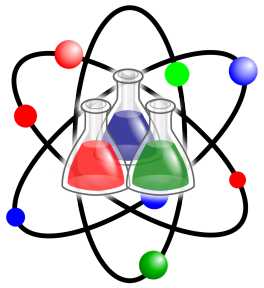


Week: *October 21-25*
Topic: *Atomic Theory*

Teachers: *Ms. Stephens, Mrs. Cohen, Ms. Landry (Mrs. Mule')*

	10/21 Monday	10/22 Tuesday	10/23 Wednesday	10/24 Thursday	10/25 Friday
Objective	Students will be able to apply their understanding of concepts related to physical/chemical properties, density, and the periodic table to the Matter and Its Characteristics Test.	Students will be able to apply their understanding of concepts related to physical/chemical properties, density, and the periodic table to the Matter and Its Characteristics Test.	Students will be able to understand how the atomic model evolved over time. Students will discuss how the modern atomic model was created by not just one scientist and how it took years and many scientists to get to this discovery.	Students will be able to understand how the atomic model evolved over time. Students will discuss how the modern atomic model was created by not just one scientist and how it took years and many scientists to get to this discovery.	Students will be able to understand how the atomic model evolved over time. Students will discuss how the modern atomic model was created by not just one scientist and how it took years and many scientists to get to this discovery.
Activities	Matter Study Guide Packet Review Games	TEST	Stephen Hill Assembly and debrief (all science classes).	History of the Atomic Theory Start Atomic Theory Scientist Activity **Advisory**	Atomic Theory Scientist Digital Storyboard Activity
Homework	Study for test			EdPuzzle	
Upcoming Events and Important Due Dates:	**Scientist Quiz-10/29 (20 min)** **Chemistry Quarterly: Tuesday, 11/12**				

Eighth Grade Science Weekly Agenda



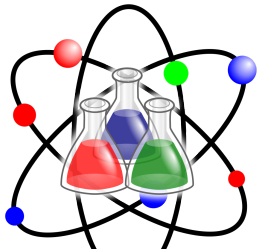
Week: *October 14-18*

Topic: *Periodic Table*

Teachers: *Ms. Stephens, Mrs. Cohen, Ms. Landry (Mrs. Mule')*

	10/14 Monday	10/15 Tuesday	10/16 Wednesday	10/17 Thursday	10/18 Friday
Objective	**HALF DAY** Students will classify elements according to their physical and chemical properties and understand how the elements are arranged on the Periodic Table.	Students will investigate the physical and chemical properties of eight elements and classify the elements as metals, nonmetals or metalloids.	Students will investigate the physical and chemical properties of eight elements and classify the elements as metals, nonmetals or metalloids.	Students will be able to apply their understanding of concepts related to physical/chemical properties, density, and the periodic table to the Matter and Its Characteristics Test.	Students will be able to apply their understanding of concepts related to physical/chemical properties, density, and the periodic table to the Matter and Its Characteristics Test.
Activities	Periodic Table activity list Check answers for Activity List	Properties of Elements Lab: Chemical characteristics	PT Activity List Check for Understanding Properties of Elements Lab: Physical characteristics	*Challenge Day* Debrief Lab/Finish Lab Analysis Matter Study Guide Packet	Matter Study Guide Packet
Homework	ALL Activities should be completed	Lab Analysis due Monday 10/21	Lab Analysis due Monday	Lab Analysis due Monday	Lab Analysis due Monday Study Guide
Upcoming Events and Important Due Dates:	**Periodic Table Check for Understanding: Wednesday Oct. 16** **Matter and Its Characteristics Test: Tuesday, Oct. 22**				

Eighth Grade Science
Weekly Agenda



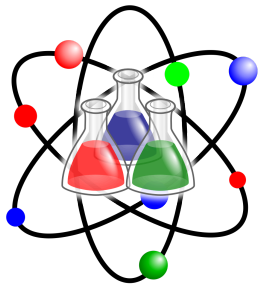
Week: *October 7-11*

Topic: Balancing Equations/Periodic Table

Teachers: *Ms. Stephens, Mrs. Cohen, Ms. Landry (Mrs. Mule')*

	10/7 Monday	10/8 Tuesday	10/9 Wednesday	10/10 Thursday	10/11 Friday
Objective	Students will learn that the law of conservation of mass states that mass is conserved when substances undergo physical and chemical changes.	Students will learn that the law of conservation of mass states that mass is conserved when substances undergo physical and chemical changes.	Students will classify elements according to their physical and chemical properties and understand how the elements are arranged on the Periodic Table.	Students will classify elements according to their physical and chemical properties and understand how the elements are arranged on the Periodic Table.	Students will classify elements according to their physical and chemical properties and understand how the elements are arranged on the Periodic Table.
Activities	Balancing Equation Practice #1	Balancing Equation Practice #2 and 3	CP/CC Exit Ticket Periodic Table Notes Periodic Table Activity List Intro	Periodic Table activity list Check answers for Activity List	Periodic Table activity list Check answers for Activity List
Homework	Finish worksheet			Periodic Table worksheets	All activities due Monday
Upcoming Events and Important Due Dates:	**Check for Understanding: Wed 10/9** **Matter and Its Characteristics Test: Tuesday, 10/22**				

Eighth Grade Science Weekly Agenda



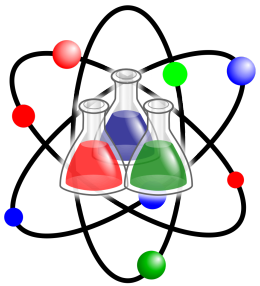
Week: *Sept 30 - Oct. 4*

Topic: *Density*

Teachers: *Ms. Stephens, Mrs. Cohen, Ms. Landry (Mrs. Mule')*

	9/30 Monday	10/1 Tuesday	10/2 Wednesday	10/3 Thursday	10/4 Friday
Objective	Students will investigate the relationship between mass and volume and how they affect density.	Students will be able to calculate the density of different substances. Students will be able to explain and identify the characteristics of a chemical property and change.	Students will be able to explain and identify the characteristics of a chemical property and change		Students will be able to explain and identify the characteristics of a chemical property and change
Activities	Density Quiz	Polyurethane Foam Demo Chemical Properties & Changes Notes	Evidence of a Chemical Change Lab (ziploc bag) EdPuzzle Chem. Prop worksheet	OFF	Balancing Equations Notes Balancing Equation Practice #1 Video
Homework		FInalize Lab: Wednesday 10/2			TryFinish Balancing Equation Practice #1
Upcoming Events and Important Due Dates:	**Chemical Property/Changes Mini Quiz: Wednesday 10/9**				

Eighth Grade Science Weekly Agenda

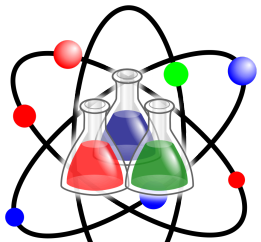


Week: *September 23-27*
Topic: *Density*

Teachers: *Ms. Stephens, Mrs. Cohen, Ms. Landry (Mrs. Mule')*

	9/23 Monday	9/24 Tuesday	9/25 Wednesday	9/26 Thursday	9/27 Friday
Objective	Students will be able to calculate the density of different substances. Students will investigate the relationship between mass and volume and how they affect density.	Students will be able to calculate the density of different substances. Students will investigate the relationship between mass and volume and how they affect density.	Students will be able to calculate the density of different substances. Students will investigate the relationship between mass and volume and how they affect density.	Students will be able to calculate the densities of certain liquids & solids; and predict the order in which they will settle in one system.	Students will investigate the relationship between mass and volume and how they affect density.
Activities	Review Density of Water Lab Density GIZMO	Intro Density Column Lab Predictions/ Measurements Study Guide	Density Column: Liquids **Advisory schedule**	Density Column: Solids **Advisory schedule**	Work on Density Column Lab Density Review: Kahoot Study Guide
Homework	Check over Density of Water lab (due tomorrow)		Study for Density Quiz Density Study Guide due Fri.	Density Study Guide due Fri. FInalize Lab: Tuesday 10/2	6 Layer Tower Lab: due Tuesday 10/2 Study for Density Quiz Monday
Upcoming Events / Important Due Dates:	**Density Quiz: Monday, Sept 30**				

Eighth Grade Science
Weekly Agenda



Week: *September 16-20*

Topic: *Physical Changes/Density*

Teachers: *Ms. Stephens, Mrs. Cohen, Ms. Landry (Mrs. Mule')*

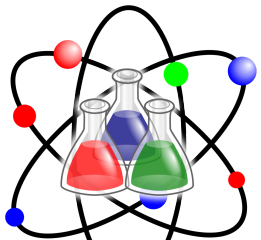
	9/16 Monday	9/17 Tuesday	9/18 Wednesday	9/19 Thursday	9/20 Friday
Objective	Students will understand that changes in matter can be classified as chemical or physical. Students will be able to explain and demonstrate the difference between physical changes and physical properties.	Students will be able to calculate the density of water. Students will investigate the relationship between mass and volume and how they affect density.	Students will investigate the relationship between mass and volume and how they affect density.	Students will investigate the relationship between mass and volume and how they affect density.	Students will be able to calculate the density of water. Students will investigate the relationship between mass and volume and how they affect density.
Activities	PC/PP Demos Review Notes PC/PP worksheet Take Density Notes	Review Density Notes Density Practice worksheet #1 **Advisory schedule**	Go over Density Practice #1 Density with Metric conversions practice Practice Problems # 2 **Advisory schedule**	Density of Water Lab Density of Water analysis	**Density/PP/PC Check for Understanding** Go over Water Lab Work on Lab CER
Homework	Finish Density Notes	Density Practice worksheet #1	Density Practice Problems # 2	Finish Lab Report (due Tuesday 9/24)	None
Upcoming Events / Important Due Dates:	**Density Quiz: Monday, Sept 30**				

Eighth Grade Science
Weekly Agenda

Week: *September 9-13*
Topic: *Intro to Modeling*
Teachers: *Ms. Stephens, Mrs. Cohen, Ms. Landry (Mrs. Mule')*

	9/9 Monday	9/10 Tuesday	9/11 Wednesday	9/12 Thursday	9/13 Friday
Objective	Students will learn how to do a CER: Claim-Evidence-Reasoning Report.	Students will learn how to do a CER: Claim-Evidence-Reasoning Report.	Students will learn how to do a CER: Claim-Evidence-Reasoning Report.	Students will learn how to do scientific modeling and apply their understanding in a Modeling Activity.	Students will learn how to do scientific modeling and apply their understanding in a Modeling Activity.
Activities	Start Mr. Xavier CER Edpuzzle	Who Killed Mr. Xavier" CER Activity	Safety Quiz Review Mr. Xavier CER CER examples	Sam Spade	Finish Sam Spade CER
Homework			Mr. Xavier CER due Thursday 9/12	Sam Spade CER due Monday 9/16	Sam Spade CER due Monday
Upcoming Events and Important Due Dates:	**Safety Quiz: Wednesday, 9/11**				

Eighth Grade Science Weekly Agenda



Week: *September 2-6*

Topic: *Intro to Science/ Safety*

Teachers: *Ms. Stephens, Mrs. Cohen, Ms. Landry (Mrs. Mule')*

	9/2 Monday	9/3 Tuesday	9/4 Wednesday	9/5 Thursday	9/6 Friday
Objective	OFF Labor Day	Students will learn the classroom procedures and do a class icebreaker.	Students will learn the classroom procedures and do a class icebreaker.	Students will be able to understand and identify proper safety techniques for laboratory days.	Students will learn how to do a CER: Claim-Evidence-Reasoning Report.
Activities		Introduce the course, class expectations, and expectations for Google Classroom	Review class expectations Hexagon Ice Breakers - PearDeck Movie Emoji, Word Winks	*Go over safety contract and rules *Lab Cartoon * Lab Safety Memes ***Assembly: period 3***	(Per 3: lab contract, cartoon) CER Discussion CER EdPuzzle Worksheet
Homework		Bring in a 3 ring binder with tabs	Bring in a 3 ring binder with tabs	Safety Quiz on Wednesday 9/11	Safety Quiz on Wednesday 9/11
Upcoming Events and Important Due Dates:	**Safety Quiz: Wednesday 9/11**				