

SCIENCE AGENDA December 10 -14th

Content Standard: MS-PS1-1 Develop models to describe the atomic composition of simple molecules and extended structures.

MS-PS1-2 Analyze and interpret data on the properties of substances before and after substances interact to determine if a chemical reaction has occurred.

MS-PS1-3 Gather and make sense of information to describe that synthetic materials come from natural resources and impact society.

DATE		IN CLASS WORK (Performance Task)	SUCCESS CRITERIA
Monday December 10th	FOCUS QUESTION How do temperatures change?	<u>Unit 7.3 (Lesson 3) Why is My Hot Cocoa cold?</u> <ul style="list-style-type: none"> • Students will finish collecting data from the Hot Cocoa game simulation. • Students will graph their data from the Cocoa Collision simulation. 	HW: None Students will have their data graphed and can recognize that the cocoa and air molecule graphs are moving towards the same temperature.
Tuesday December 11th	FOCUS QUESTION Is mixing Borax in water a chemical or physical change?	<ul style="list-style-type: none"> • Students will make a shape out of a pipe cleaner then stick it in a solution of Borax and water over night. 	HW: None Students will be able to make a shape and prepare the Borax solution to put the pipe cleaner into overnight.
Wednesday December 12th	FOCUS QUESTION Is mixing Borax in water a chemical or physical change?	<ul style="list-style-type: none"> • Students will remove their pipe cleaner from the Borax solution, clean up, make observations and answer the lab questions. • Students will finish graphing the data from the Cocoa Collision Lab. <p>•GUEST TEACHER (I will be at a math meeting.)</p>	HW: Lab Questions Students will be able to give evidence supporting why Borax solution in water is an example of a chemical change.
Thursday December 13th	FOCUS QUESTION How do temperatures change?	<ul style="list-style-type: none"> • Students will make a model of the cup of hot cocoa cooling down and share it with other students. • Fill out Line A and B on their Unit Summary. • Students will define works that are used in our Thermal Energy Unit. 	HW: None Students will be able to explain that the temperature changes when molecules collide with each other.
Friday December 14th	STUDY GUIDE I can draw a model showing how molecules move. I can explain how molecules move at different temperatures. I can explain how temperatures change?	<ul style="list-style-type: none"> • Students will take a short quiz on Thermal Energy 	HW: None Students will be able to earn an 80% or better on the quiz.