SCIENCE AGENDA November 26 - 30

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	FOCUS QUESTION	IN CLASS WORK (Performance Task)	SUCCESS CRITERIA
Monday November 26th	**FOCUS QUESTION** What information do I need to know to be successful in this new science unit on Thermal Energy?	• Students will take a pretest on Unit 7.3 Thermal Energy	**HW:** None Students will be know what they will learn in this unit on Thermal Energy.
Tuesday November 27th	**FOCUS QUESTION** What are the dangers of rising temperatures in hot cars?	**Unit 7.3 (Lesson 1) Hot Days** • Students will watch a short video about how the sun is so hot that you could cook an egg on a sidewalk • Students will look at an infographic on hot a car can get • Students brainstorm how to keep cool on a long car trip if the air conditioner breaks on in a car.	**HW:** None Students will be able to describe how the temperature inside a car can rise very quickly on a hot, summer day.
Wednesday November 28th	**FOCUS QUESTION** What questions do you have when thinking about designing and building a dog crate to keep a dog cool during the summer?	• Students will watch a short video on helping animals in at a Human Society. • Students learn what the unit challenge is for this unit. • Students write question they have to be answered during this unit. (Bubble Map)	**HW:** None Students will be motivated to create a model of a dog crate to keep a dog cool, and they will write two questions they need answered to be able to build this crate.
Thursday November 29th	**FOCUS QUESTION** What is temperature?	**Unit 7.3 (Lesson 2) Water, Water** • Students will read a scenario about two individuals who have different experiences while cutting onions, and then they will brainstorm why.	**HW:** None Students will be able to define temperature. Temperature is the amount thermal energy an object has.
Friday November 30th	**FOCUS QUESTION** What does a water droplet look like at the molecular level?	• Students will imagine that they shrunk so small that they fit inside a single water droplet. Then they will describe what they see and draw a model. • Students will share their models, and we will create a class model of a water droplet.	**HW:** None Students will have a drawing of what they think a water molecular looks like at the molecular level. Their model will include the atoms that make up water, the shape of a water droplet and that the molecules are moving.