



8th Grade Science– Week (1-9-17)

TEACHER: JULIE M.
MUELLER

GRADE: 8

	Monday	Tuesday	Wednesday	Thursday	Friday
OBJECTIVE(S) (WHAT DO I WANT STUDENTS TO KNOW/)	<p>To understand molecules in the air.</p> <p>Describe what happens to solar energy that reaches Earth.</p> <p>Summarize the process of radiation, convection, and conduction.</p> <p>Explain the relationship between the greenhouse effect and global warming.</p>	<p>To understand radiation, convection, and conduction.</p>	<p>Are we done with "Popcorn Lab"?</p> <p>Explain the relationship between air pressure and wind direction.</p> <p>Describe global wind patterns.</p> <p>Explain the causes of local wind patterns.</p>	<p>Compare primary and secondary air pollutants.</p> <p>Identify the major sources of air pollution.</p> <p>Explain the effects of the ozone hole.</p> <p>List five effects of air pollution on the human body.</p> <p>Identify ways to reduce air pollution.</p>	<p>To understand global warming and the greenhouse effect.</p>
INSTRUCTIONAL METHODS (HOW AM I GOING TO INSTRUCT/)	<p>Hands on activity "Molecules in the Air" (found at Pinterest)</p> <p>Do Directed Reading 15.2,</p>	<p>Hands on activity "Popcorn Lab" (found at Pinterest)</p> <p>This activity is in 8-6 or 8-7 folder on your iPad to</p>	<p>Do Directed Reading 15.3, pages 458-463.</p> <p>Vocab 15.3 (optional)</p>	<p>Do Directed Reading 15.4, pages 464-471.</p> <p>Vocab 15.4 (optional)</p>	<p>Videos</p> <p>Global Warming & Greenhouse Effect</p> <p>(Both bookmarked on teacher's computer)</p>

	<p>pages 454-457.</p> <p>Vocab 15.2 (optional, but strongly encouraged)</p>	<p>save on printing paper.</p>			
<p>ASSESSMENT</p> <p>HOW WILL I ASSESS LEARNING</p>	<p>Correct and discuss 15.1 DR</p> <p>Students will hand in completed product for Molecules in the Atmosphere for an activity grade.</p>	<p>Quiz 15.1</p> <p>Correct and discuss 15.2 DR</p> <p>Students will hand in questions on the Popcorn Lab for a grade.</p>	<p>Quiz 15.2</p> <p>We will correct and discuss 15.3 on Thursday.</p>	<p>Correct and discuss 15.3 Directed Reading.</p> <p>We will correct and discuss 15.4 on Friday.</p>	<p>Quiz 15.3</p> <p>Correct and discuss 15.4 Directed Reading.</p>
<p>CLOSURE</p>	<p>Quiz over 15.1 on Tuesday.</p> <p>You may bring something to drink tomorrow. Write names on and you may store in the classroom refrigerator. We are doing a lab involving popcorn.</p>	<p>Quiz over 15.2 on Wednesday.</p> <p>Note: Popcorn lab may carry over to Wednesday if necessary.</p>	<p>Video on The Coriolis Effect (bookmarked on teacher's computer)</p>	<p>Quiz over 15.3 on Friday.</p>	<p>Quiz over 15.3 on Tuesday.</p> <p>In-Service Monday, students do not have school.</p>