

# 6<sup>th</sup> Grade 2<sup>nd</sup> Quarter Project

Choose any three activities that form a tic-tac-toe (diagonal, across, or down)

DUE DATE:

<p>Research how forest fires (wild fires) and volcanic eruption affect Earth's atmosphere. Please include affects on humans and other organisms.</p>	<p>Create a word puzzle using the following terms: conduction, convection, radiation, heat transfer, air pressure, absorption, humidity, carbon dioxide, barometric pressure, infrared radiation, troposphere, stratosphere, mesosphere, thermosphere, ozone  <a href="http://www.discoveryeducation.com/free-puzzlemaker/">http://www.discoveryeducation.com/free-puzzlemaker/</a></p>	<p>Describe conduction, convection and radiation. Draw an example of each and provide 3 real world examples of each.</p>
<p>Using a map of the United States, create a weather map and write a weather forecast to go with it.</p>	<p>Create a cloud chart showing the types of clouds, what the cloud looks like and the type of weather it typically indicates.           Cumulus, stratus, cirrus, cumulonimbus, Nimbostratus,</p>	<p>Compare and contrast the atmospheres of Earth and Venus. Include the molecules that make up the atmosphere. How are the planets similar, how are the planets different?   <a href="http://www.ajax.ehu.es/VEX/Venus.Earth/Venus.Earth.html">http://www.ajax.ehu.es/VEX/Venus.Earth/Venus.Earth.html</a></p>
<p>Compare and contrast a tornado and a hurricane. How are they different, how are they similar?</p>	<p>Research Global Warming: list some of the causes of global warming and what the affect has been on Earth. What are some of the possible solutions to our global warming problem?</p>	<p>Create a super hero based on the Greenhouse Effect. Give the hero a name, super powers and describe how the hero uses those super powers. What are the strengths and weaknesses of your super hero?          Include the following: absorption, reflection, global climate change, radiation</p>