**Mrs. Kaurich's 7th Grade Lesson Plans**
**Week of April 27-May 1 2020**
**These plans are based on Module E "Earth's Water and Atmosphere"**

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| **Monday**<br>**4/27** | **Exploration 3 Relating Air Circulation to the Earth System**<br>• For a great connection to environmental science view the Ken Burns documentary on the "Dust Bowl"<br>• You can view a short 5 minute clip on YouTube<br>• "The cycling of Matter in the Atmosphere" answer question 17<br>• Read selections on Water, Carbon, Nitrogen, and Phosphorous, Organic Matter p.16<br>• Read "The Flow of Energy in the Atmosphere" p.17<br>• Read "The Transfer of Kinetic Energy" p.18<br>• Answer all questions including Analyze Atmospheric Interactions<br><br>**Learning Target**<br>I will be able to model air circulation in the Earth's atmosphere. |
| **Tuesday**<br>**4/28** | **Complete "Can You Explain It?"**<br>• Question 1 and 2<br>• **Complete "Checkpoints"** p.22<br>• **Complete Interactive Review"** p. 23<br><br>**Learning Target**<br>I will be able to model air circulation in the Earth's atmosphere. |
| **Wednesday**<br>**4/29** | **Lesson 2 "Circulation in Earth's Oceans"**<br>• Answer "Can You Explain It?" p.25<br>**Exploration 1 "Modeling Surface Currents"**<br>• Read **"Patterns in the Ocean"**<br>• Answer questions 3,4 p. 26<br>• Read **"The Formation of Surface Currents"**<br>• Answer questions 5,6 p.27<br><br>**Learning Target**<br>I will be able to use a model of ocean circulation to explain the flow of energy and the cycling of matter in Earth's oceans. |

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| **Thursday**<br>**4/30** | **If possible, view NASA clip on YouTube "Our World Surface Currents"**<br>• Read **"Factors that Affect Surface Currents"** p. 28<br>• Answer question<br>• Read Global Winds, Continental Deflections, Coriolis Effect<br>• Answer questions<br>• Complete **"Explain Ocean Temperatures"**<br>• Answer questions 10, 11. P.29<br>•<br>**Learning Target**<br>I will be able to use a model of ocean circulation to explain the flow of energy and the cycling of matter in Earth's oceans. |
| **Friday**<br>**5/01** | **Exploration 2 Modeling Deep Currents**<br>• Read Hot and Cold Water<br>• Answer the question first, "What do you think will happen when cold water and warm water are put in contact with each other, with one above the other?"<br>• View my video clip on the 7th grade web page<br>• Fill out the table of observations p.30<br><br>**Learning Target**<br>I will be able to use a model of ocean circulation to explain the flow of energy and the cycling of matter in Earth's oceans. |