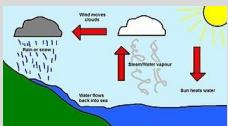
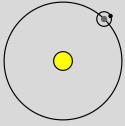


# APS Science

## Grades 3-5 Choice Board

→ Directions: Select at least one activity to complete each week. Color the box when you have completed that activity.

<p><b>Water Cycle</b></p> <p>Draw a diagram of the water cycle. Then, write a story from the point of view of a drop of water as it goes through the water cycle.</p> 	<p><b>We Are All Connected</b></p> <p>Construct a food web demonstrating the flow of energy through an ecosystem. Explain how changes in one part of the food web would affect other organisms. Include the role of the sun in your explanation.</p>	<p><b>Move it!</b></p> <p>Plan an <a href="#">investigation</a> to collect time and position data for a moving object using a data table. Create a line graph from your data. Explain what happened. To think about: speed, friction, mass</p> 
<p><b>Dirt: Keep it in place</b></p> <p>Walk around your home or neighborhood. Observe and provide evidence of soil erosion around your home or neighborhood. Create a plan to reduce erosion and share it.</p> <p>Extension: include weathering and deposition</p>	<p><b>Plan &amp; Investigate</b></p> <p>What are you wondering? How can you find an answer to your question? Make a plan and then do it! Share what you found out using this <a href="#">recording sheet</a>.</p> 	<p><b>Play it!</b></p> <p>Design and construct an instrument that produces at least two different pitches. Keep a record of your design changes and what happened. Play your instrument to an audience and explain how it works.</p>
<p><b>Far Out</b></p> <p>Create a model that demonstrates the motions of the moon, sun and Earth. Use your model to describe how day/night and the phases of the moon occur.</p> 	<p><b>Experiment!</b></p> <p>Plan and conduct an experiment to determine how the temperature of water affects how much salt or sugar you can dissolve in one cup of water. Design a data table and create a graph that interprets your data. How could you use this information?</p>	<p><b>Plant Investigation</b></p> <p>Plan and conduct an investigation to determine how the amount of sunlight a plant receives affects plant growth or how different types of soil affect plant growth.</p> 
<p><b>Weather</b></p> <p>Keep a daily <a href="#">weather journal</a> for at least a week. Collect, record, and graph weather data for this time. Are there any patterns? Can you make any predictions about the weather for the following week? Write a story in which weather plays an important part.</p>	<p><b>Caring for our Planet</b></p> <p>Construct a plan to conserve water or energy at home or in your school. How could you persuade others to participate? Create something that will help you meet your goal.</p> 	<p><b>Nature Journal</b></p> <p>What is happening outside? Closely observe an area over at least one week. Record your observations. What questions do you have about what you are seeing? Example areas: night sky, a particular tree, square meter of ground</p>

**Check out the activities and virtual labs in Science Fusion!**

Access instructions are linked on the APS Continuous learning webpage.