



# SCHOOLHOUSE NEWS

The Purcell Register



## Middle School

### Middle School Science Distance Learning Lesson Plans

#### 6th Grade- 8th Grade

##### Week 1

##### Lesson 1

Photosynthesis activity-  
Go outside and pick 3 plants (trees, grass, flowers, etc) and make observations on how the leaves of the plant look. Make 3 observations during a 7 day period. How have the leaves changed during the 7 days?

**Photosynthesis**, the process by which green plants and certain other organisms transform light energy into chemical energy.

Use the chart below to document your observations. Some examples of observations are:

- Amount of growth
- Any change in color (darker or lighter)
- Any change in flowering

These are examples and you may use any observations that you choose. It is recommended that you wait at least one day between observations.

Plant 1		Observation 1	Observation 2	Observation 3
Name of Plant >>				
Type of Observation >>				
Type of Observation >>				
Type of Observation >>				

Plant 2		Observation 1	Observation 2	Observation 3
Name of Plant >>				
Type of Observation >>				
Type of Observation >>				
Type of Observation >>				

Plant 3		Observation 1	Observation 2	Observation 3
Name of Plant >>				
Type of Observation >>				
Type of Observation >>				
Type of Observation >>				

##### Lesson 2

Force Activity-  
Water bottle toss- Toss a water bottle in the air to observe how the bottle lands. Make sure that you mark the distance and record the amount of time that the bottle is in the air. Make a drawing of the bottle to display the directions of forces of gravity and centripetal acceleration (think circular speed-as it accelerates in a circle due to the change in direction of velocity as it rotates). Add a different amount of water to the bottle and try the experiment again. Are there any differences in distance and time based on the change in mass? Is the force of gravity less than, equal to, or greater than the first trial? What about the centripetal acceleration?

Amount of water(estimate-lot or little)	Distance	Time

