PROJECT HELP (6th PROJECT) **PHYSICS (INVENTIONS)**

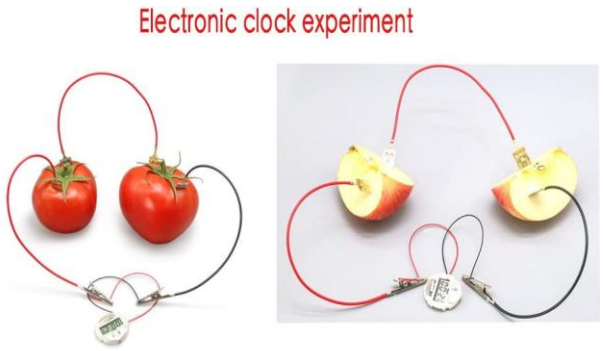
DUE DATE (FAMILY PROJECT)

April 17th — 6th Project – Students will build a battery (supplies and instructions provided). Families need to supply fruit or potatoes. Apple slices usually work well. Experiment with others. Hang on to this Project for our 7th project – which will need a battery. This might not be powerful enough, but we'll try.

Metals in your kit: 3 Copper and Zinc strips (1 more each with Alligator Clips)
1 Electronic Clock

INSTRUCTIONS:

1. Insert u-shaped fork wire ends (one with copper strip, one zinc) into fruit/fruit slices. **Do not allow the inserts to touch.**
2. Connect alligator clip ends to the clock wires.
3. Observe (make sure connections are good).



NOTE:

1. Electronic clock rated voltage is 1.5v
2. The test can only allow 2 sets (including 2 sets) of fruit and vegetables below to participate in the experiment, otherwise it will cause excessive voltage and burn out the electronic clock.

After experimenting, **clean the copper and zinc pieces with dry cloths.** These batteries will also be used with your next Project, so try to protect your wires and metallic strips.

Hang onto your kits – no need to bring to class.

To create an LED circuit:

1. Insert u-shaped fork wire ends (one with copper strip, one zinc) into fruit/fruit slices. **Do not allow the inserts to touch.**
2. Connect alligator clip ends to the LED light wires.
3. Observe