**Engage & Explore Activities for Climates of the Past & Future July 2017**

**Day 1 (How Climate Works)**

* Rainbow glasses (one for each student)
* Light bulbs (I already have these)
* Heat packs (one for each student)
* IR thermometers (one for each student)
* Thermal radiation (IR cam … already have this)
* What makes a good greenhouse gas?
* Writing with light (one for each student)
* Glass plates (one set for each three students)
* Plastic bag hot air balloon (just one)
* Radiosonde launch?
* Spin tank with ice & food coloring (just one)

**Day 2: (Climates of the past)**

* Rocks from space and Earth (already have)
* Ice core movie (already have)
* Tree ring online exercise (already have)
* Sparkling water (need some pH paper)

**Day 3 (Climates of the Future)**

* Climate wedge game
* Various online calculators (already have)
* Energy kits (one for every four students)
* Handouts on carbon footprints