



## UV Bead Test

- **Materials:** UV Beads (included with your box of materials), a few pairs of sunglasses
- **Instructions**
  - Pass out one UV bead to every student while indoors.
  - This will work even on a cloudy day! Have your students hold their beads in closed hands.
  - Once outside, they should open their hand and observe the beads.
  - **OBSERVE & DISCUSS:**
    - What did your bead look like inside? Describe the color.
    - What did your bead look like outside after you opened your hand?
    - These beads are created to be sensitive to ultraviolet (UV) light so they changed color when exposed to that light.
    - Do you think shading the bead with sunglasses will change the outcome?
  - Next, with a partner and a pair of sunglasses, cover the bead so that it returns to the original color.
  - Have a partner hold a pair of sunglasses a few inches above the bead as the hand is opened to reveal the bead.
  - **OBSERVE & DISCUSS:**
    - What happened to the bead? Did it change?
    - What surprised you about this experiment?
    - What can we learn from this experiment?

Even inexpensive sunglasses block the UV light and that's what can damage our eyes, so sunglasses are important!