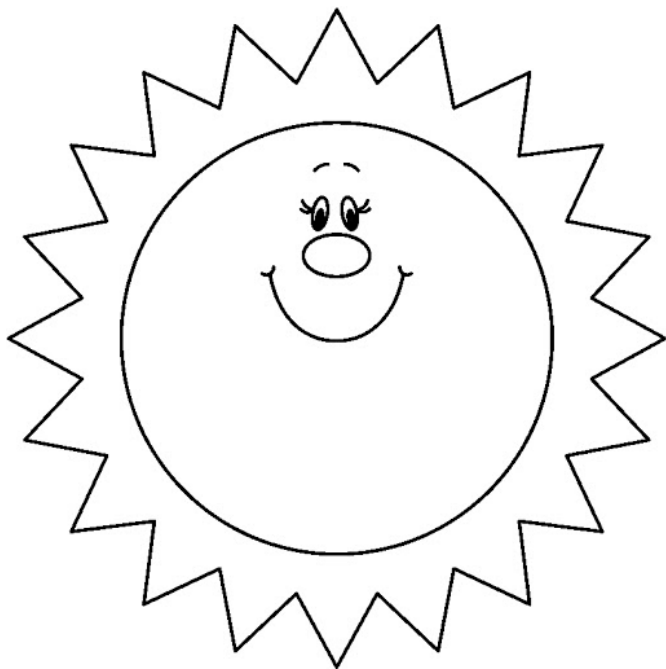


Storytime Science Kit #4: Sunlight



The sun's rays have power! UV (ultraviolet) light is invisible, but can burn our skin (that's why we wear sunscreen). The UV sensitive beads in your kit react to the sun. Make something with your beads, and then experiment with the beads to see what happens in the sunlight. Can you block the sun's rays?

Listen to the read-aloud at

www.evartreads.org/storytimescience

Go to the Storytime Science page and click on the link for Mrs. Bailey's read-aloud, *Bats at the Beach*, by Brian Lies. Unlike most of us who play at the beach during the sunny daytime, the bats in the story go to the beach at night (they need "moon-tan" lotion instead of sunscreen!).

Instructions:

First, pick something to make with your beads (or make them all!):

- **Bracelet:** Use the elastic or the pipe cleaner to make a bracelet. Cut a length of elastic, string the beads and then tie it (or twist the pipe cleaner) to keep the beads from falling off.
- **Lanyard:** Cut some elastic, and then tie one end (or twist the pipe cleaner) onto the lanyard. String some beads, and then tie a knot on the other end.
- **Bead Creature:** Bend your pipe cleaner into the shape of a creature (for example, a fish, lizard or dinosaur). Add beads, and then twist the ends together.

Then, take your beads into the sun! Go outside (or stand next to a sunny window). If you want, try an experiment with different things to see how it affects the way the beads react to the sun. Here's some ideas (depending on what you have available in your classroom or at home):

- Build a shelter for your bead creature out of paper and other items, and compare what happens to the beads under the shelter with those outside the shelter.
- Put the beads behind a pair of sunglasses and see how well it protects the beads.
- Place some beads in a plastic bag, and then spray with sunscreen before you go out. Put other beads in a plastic bag without sunscreen, and then compare in the sun.
- Does water keep UV light from hitting the beads? How about cloth? What about time of day?

For more information and activities, check out the links at the Storytime Science page:

www.evartreads.org/storytimescience



Storytime Science Kits are sponsored by Cargill, and packaged by Evart Reads volunteers.