

SOLAR POWER FLOWER

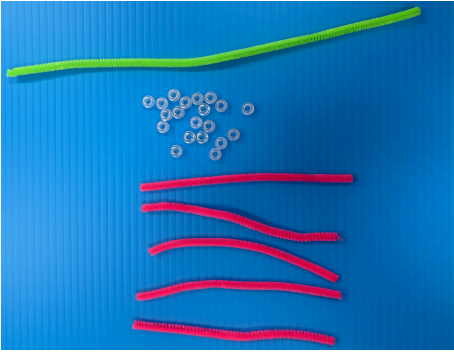


UV or Ultraviolet Beads are special beads that change color when exposed to sunlight. Inside the bead are elements that react to the UV rays from the sun, like tiny color-changing switches. The sun doesn't just give us light, it also sends out energy we aren't able to see. These beads allow us to see that the sun is always sending out energy, even when we can't see it all.

Some of the energy from the sun can be collected. This is called solar energy and can be collected with solar panels. Though these big, flat objects don't change color when they are exposed to the sun's energy- they turn the energy into electricity! Just like the UV beads show us the sun's energy is there, solar panels can be used to power our homes and schools all with energy from the sun. Solar energy isn't perfect, but it is an important part of Utah's energy mix!

Supplies Needed:

- Two Long Pipe Cleaners
- 2 Short Pipe Cleaners
- 10 UV Beads



energy.utah.gov

Scan here for a video tutorial!



SOLAR POWER FLOWER DIRECTIONS

To Make the Petals:

1. Take one short pipe cleaner
2. Slide 4 beads onto the pipe cleaner



3. Bend the pipe cleaner into a loop, bringing the ends together. Twist to secure the ends. Make sure to leave two ends of the pipe cleaner sufficiently long enough to use later.



Repeat for all five of the short pipe cleaners and the remaining beads.

Attaching the Petals to the Stem:

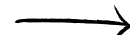
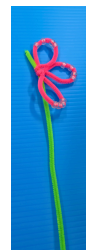
1. Take the long pipe cleaner and place one petal loop about 1.5 inches below the top of the pipe cleaner.
2. Bend the ends of the petal loop around the long pipe cleaner to secure.



3. Add the next petal right next to the first one, and again, bend the ends around the long pipe cleaner to attach.



4. Repeat until all five petals are attached, forming a flower shape.



5. Any additional pipe cleaner at the top can be wrapped around the petals to keep them in place.