

# Adding Spinart to your Solar Cell Set.

Solar Spinart is proving to be a fun and engaging activity for all ages. When educator Brian Kaplan<sup>1</sup> shared that his students were mesmerized by making solar spinart, it sparked a new area of experimentation. We experimented with the ingredients in the existing Solar Cell Classroom (or Activity) Sets so that it would be relatively easy to add this activity to classes that already had these tools.



Using the existing solar cells, motor, and yellow wheel from the set, we **added** a small pvc coupling with a notch cut out at the bottom to hold the motor upright.



1. wrap clear packing tape (or electrical tape) around the white wire and motor body for strain relief. This also helps hold the motor in place in the white motor stand (coupling)
2. Motorstand = 3/4" PVC coupling with notch (~1/4" diameter) drilled or cut into the bottom edge. The notch is for the white wire to come out and have the motorstand sit flat on a surface.
3. Insert the motor into the stand (coupling) from the top. The motor will rest on the ridge that is on the inside of the stand (coupling).



Add 2 pieces of thin double-side tape to the yellow wheel. Place a paper disc (or square), add sunshine, and you're ready to go

Colored felt-tip pens work best for this activity.

2 solar cells in series (as shown) give the motor more strength for the spinart activity. You can also try adding more cells in series, if desired.

Paper templates with sun messages can be found at [solarschoolhouse.org/spinart](http://solarschoolhouse.org/spinart)

More information can be found at [solarschoolhouse.org/spinart](http://solarschoolhouse.org/spinart) . Video Tutorials, templates with sunshine messages, purchasing parts, and more.

<sup>1</sup> <https://www.mobilemakerclub.com/>