

SOLARVILLE

BUILD A SOLAR OVEN



Never stop wondering.
Never stop imagining.™

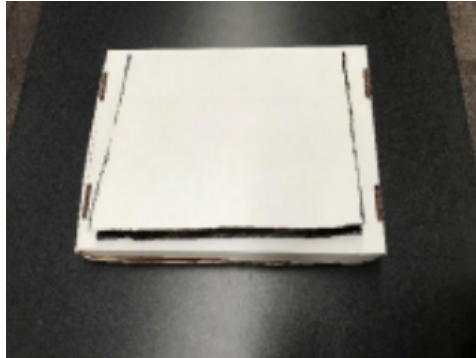
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ACTIVITY INSTRUCTIONS:

1. On top of the lid, draw a square that is about one inch inside of each edge.



2. Using the scissors or a box cutter, carefully cut along 3 sides of the square - leave one side intact to make a flap. Fold the flap back outwards from the inside of the box.



3. Line the inside of the cardboard flap with aluminum foil. Try to keep the aluminum foil as flat as possible. Tape the aluminum foil down in place, if needed.



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4. Cover the opening in the lid underneath the flap with a layer of plastic wrap and tape secured so the plastic wrap completely covers the hole.



5. Line the inside of the box with black construction paper. Cover the bottom of the box and the sides of the box.



6. Finally, place the lid back on the box, and tape a stick to each side in order to prop it open. It should look like the image below.



7. Place a few items you want to test inside your solar oven (chocolate, marshmallow, egg, crayons). Place your solar oven outside on a warm and sunny day, and make observations throughout the day. *If you think items will melt, put the items on a paper plate so that they don't damage your solar oven!*