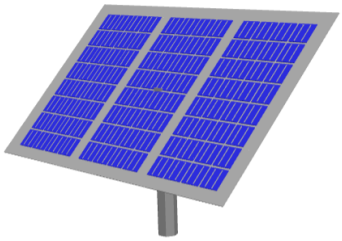
Solar Power

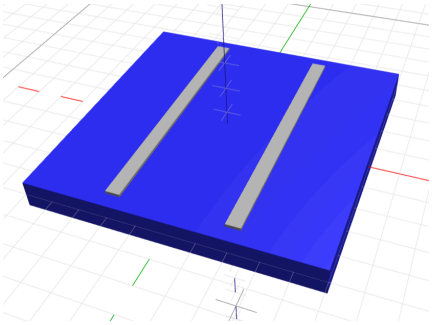


Recommended for middle school +, or elementary students with prior BlocksCAD/coding experience.

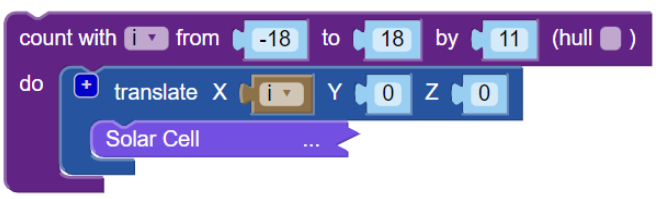
Students: Visit www.blockscad3d.com to start building! Create an account if you want to save your work.

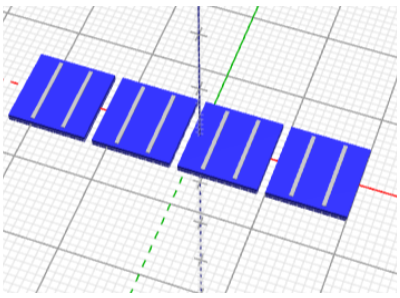
Teachers: Check out the 2023 Teacher Guide.

Harnessing solar power relies on large solar panels that can capture as much sunlight as possible. They are made up of many, many copies of solar cells. A single solar cell is pretty simple to make though. Can you build the cell below using three cube blocks and two translation blocks?



Once you have made a solar cell, use loops like the one shown below to arrange them into rows and panels:





Challenge Project: Solar Array

A solar array is a collection of solar panels that can be built anywhere open, including on roofs! Use another layer of loops to create a solar array and place it on top of a building of your own design. Be sure to label your code as you go to stay organized.