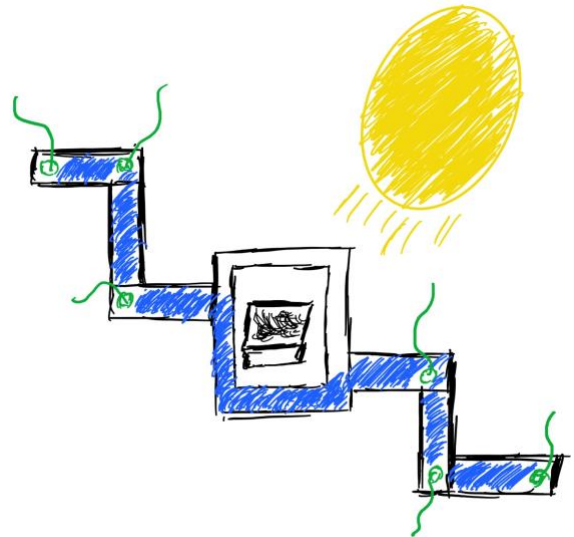


Skyrise Solar Hydroponic

Materials:

- Skyrise Cubes
- Solar water pump
- Seeds
- Growing Medium

For our recycling challenge we analysis our mentor home needs. Our mentor love to gardening. So we opt to build something helpful and related to gardening. Also Puerto Rico has gone through a natural disaster which left agriculture in disrepair. This situation opened our eyes not only the need of our mentor but also the need for agriculture and food on the island. We did a research of all the VRC games that can be build and use as a gardening purpose. The best VEX elements for this purpose result to be de Skyrise cubes. We plan an idea of making a hydroponic. The idea consist of making a hydroponic with the cubes vertex.



Steps:

1. Find a place to establish the hydroponic
2. Cut the length of the cube vertex that way the plant will fit within the tube.
3. PVC Glue to hold together all the vertex and preventing the water from leaking in the unions.
4. Place the growing medium in a cup of warm water for 2-5 minutes.
5. Place the seeds in the growing medium
6. Place the growing medium with the seeds in the skyrise hydroponic.
7. Place the water pump in place.
8. Start the hydroponic process.
9. Wait for result.

After 3 weeks the result of the hydroponics where successful. The idea of reusing parts of the VRC games is awesome. This challenge drive us to explore new areas for our team. The Skyrise hydroponic also give the backyard an awesome touch like an art felling and creativity breeze.

To watch our video: <https://youtu.be/GvnjgOrBKY8>