

VEX Repurpose Submission: 97101G

Brainstorm:

We started the brainstorming process by making a list of all the game elements we had: Starstruck star, Turning Point caps and balls, and Tower Takeover tower goals and cubes. After looking through previous repurpose entries, we came up with a couple of ideas for each item and listed them in the table below.

Repurposed Item	Intended Use	Features
star	jacket hanger to help people organize their jackets; home use	<ul style="list-style-type: none">- little hooks- labels on the hooks so we know whose jacket is whose
tower goal	lamp for lighting and decoration; home use	<ul style="list-style-type: none">- LED lights / fairy lights in the middle<ul style="list-style-type: none">- interactivity- headphone hanger??
cube	footrest	<ul style="list-style-type: none">- cushion on the top
cap	n/a	n/a

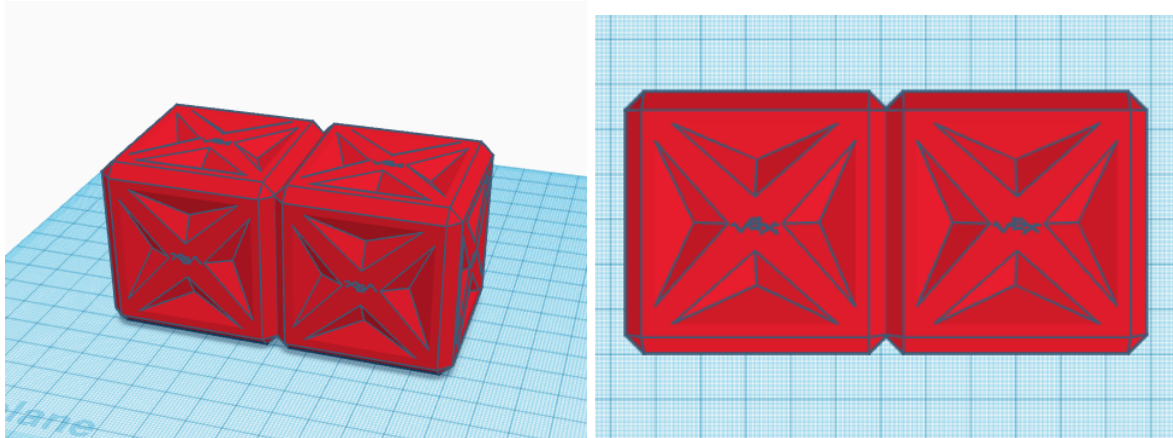
We ultimately decided on using the cube, because we thought the star would be gimmicky. We later also realized that we didn't have tower goals, so we decided on using the cubes.

Feature Brainstorm:

We came up with the footrest idea after one of our members noted that they could have really needed a footrest during our brainstorm session. We took that idea and turned it into our product. Basically, we thought about combining the clues together to form a little platform for people to rest their feet on, then maybe adding a cushion to soften the platform.

Final CAD:

Due to social distancing, we weren't able to go retrieve the items we needed, so instead we put together a simple CAD to showcase how we would have built the products.



Product Description:

The footrest helps people be more comfortable at their desks. Simply put a footrest under your feet to prop them up if your feet don't reach the ground so that your feet can rest on something and not be suspended in the air. The product is simple yet versatile; it can be used anywhere by anyone, whether its a teacher teaching virtually or a student joining a lecture from home.