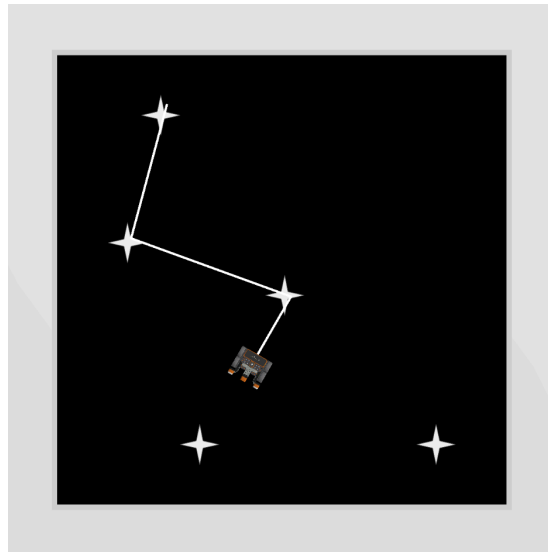


VEX CODE VR Activities



Constellation Mapper



Playground: Art Canvas+

Image Upload: [Download the constellation image as a PNG file from this Google slideshow](#)

- To learn more about downloading .png files from slideshows, [see this article](#).
- To learn more about how to upload images to the Art Canvas+, [see this article](#).

Challenges:

Level 1: Recreate the Cassiopeia constellation by drawing white lines between stars using the VR Robot (slide 1).

Level 2: Recreate the Ursa Minor (Little Dipper) constellation by drawing white lines between stars using the VR Robot (slide 2).

- Fill in Polaris (the North Star) using the [Fill area with color] block.
 - Polaris is made up of multiple stars with the largest being a yellow supergiant. Color the star to be yellow.

Level 3: Recreate the Orion constellation by drawing white lines between stars using the VR Robot (slide 3).

- Fill in the stars Rigel and Betelgeuse using the [Fill area with color] block.
 - Rigel is a blue-white supergiant star. Color the star to be a light blue.
 - Betelgeuse is a red supergiant star. Color the star to be a red-orange.

Helpful Hints:

- Move the red, green, and blue sliders in the [Set pen color] block to mix primary colors to get blended colors. To get white, the RGB sliders must be at 255.
- Slides 4-6 (the blue background) show examples of completed constellations if you are unsure of the shapes of certain constellations.
- Use the 'Download Canvas Button' on the Art Canvas + Playground to save your work of art to share with others! To learn more about using the VR Art Canvas +, [see this article](#).
- For help with coding the VR Pen using Python, [see this article](#), or [use the help feature in VEXcode VR](#).

vr.vex.com