

Tech 4-6 - Skills Ontario contest 2022

Here is the challenge...

Situation:

Many coastal shores are facing flooding due to global warming and storms. Blockades need to be put into place to preserve the land, protect homes, villages and property. There are homes and buildings very close to the shoreline.

Challenge:

You have been hired to block the water from reaching the nearby homes and properties. The shoreline is wet and swampy. The road for the vehicle is safe and stable, as it is a great distance from the swampy shore. Sandbags and rock blocks have been delivered to the roadway by the city. Your job is to move the various blockade materials (sandbags, rocks etc.) and place them to create a “wall” that the water cannot go through. You must use your materials to create your blockade and also your device that will create the solution.

Remember: This challenge will be judged on both creating the items you will use to create the blockade devices as well as how well you will lift them and place them carefully.