

Today, we are going to build some bridges using a computer simulation model. Your challenge is to get to at least level 10 and help the character safely cross your bridge. Before starting, we are going to use what we learned about the Scientific Method to help us plan out a proper bridge.

1: What do you know about bridges?

2: What are some of the key parts of a bridge?

3: What will happen if you build a bridge that does not have proper supports?

4: On your own piece of paper, draw a bridge that would be able to connect 2 pieces of land separated by water

5: Hypothesis time – What kind of support (rope, steel, concrete, etc) will provide the most structural integrity for your bridge? What shape would they be (think about bridges you have seen in Fort Wayne)? Now write your hypothesis about bridge support on your own piece of paper

6: Activity time – go to the Portage Middle School website and click on bridge builder. Your challenge is to get past level 10 helping Crabi get from one side to the other with a successfully built bridge.