

River Design Challenge

Names of team members:

We will be measuring the _____ of the river at the footbridge.

ASK - What could we do to the measure the river? What are some things that will be hard about making this measurement? Record some of your questions here:

IMAGINE - Here are some ideas using natural and man-made materials, maybe even body parts!

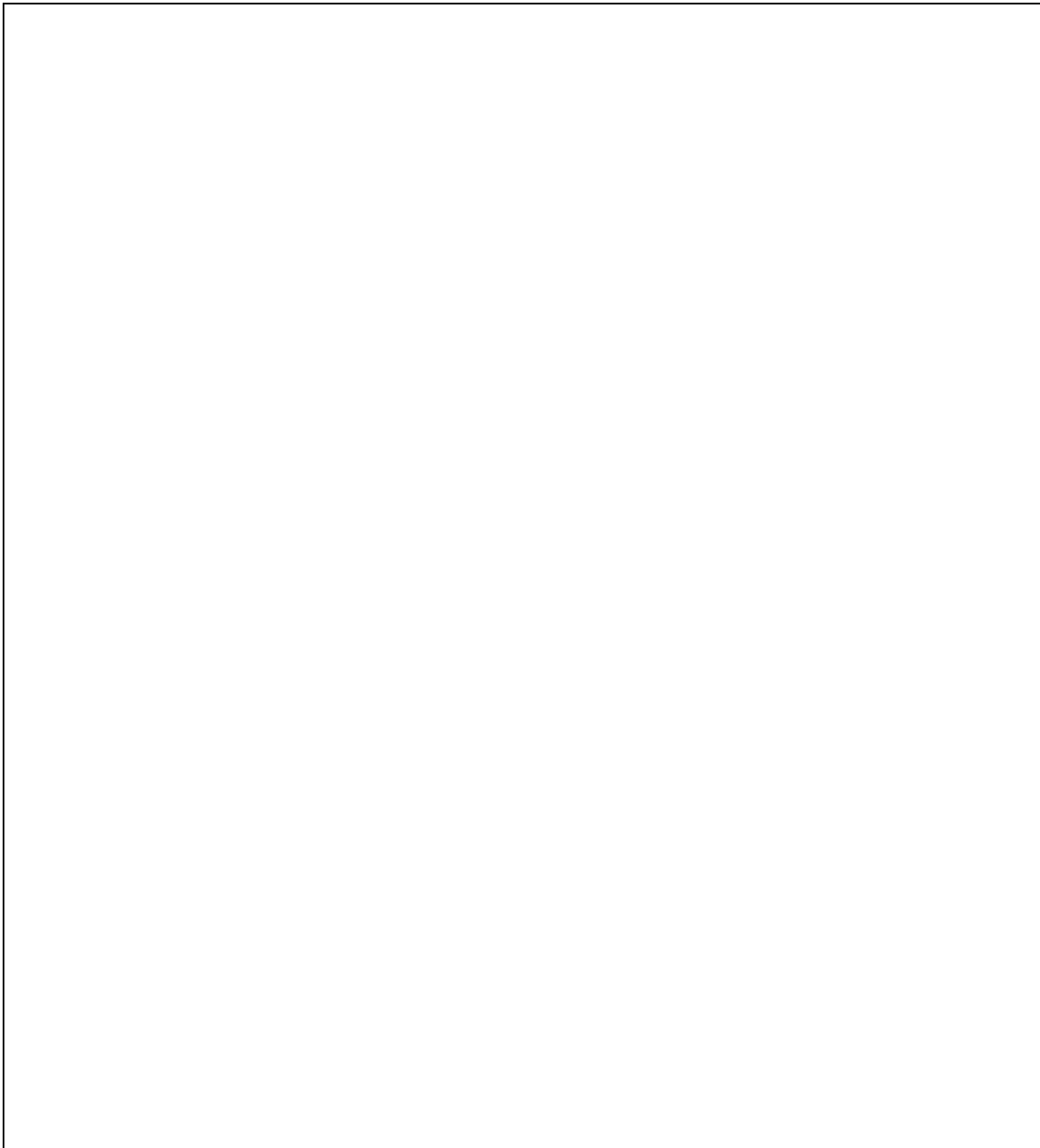
One idea we had:

Another idea we had:

PLAN - Use the plan sheets to work out the details of your best idea.

Names - _____

Draw a diagram or picture of the tool in action. Be sure to label the parts of the tool and anything in the picture that will help me understand how your tool works. For example, if you drop your tool off the bridge, you should label the bridge.



Names - _____

Write a list of the materials you will need to make your tool at the river. Be sure to include things like scissors or tape that we have in the classroom, but will need to pack up and take with us to the river. Be as clear as you can. Don't just say "marker." Tell me if it should be a certain color or if it needs to be permanent, like a sharpie.

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

Names - _____

Write a "how-to" story for making and using your tool. Start with "step 1" and work from there. You may use the back of this paper, if needed. Don't worry about spelling.

Step 1. _____

Step 2. _____

Step 3. _____

Step 4. _____

Step 5. _____

Step 6. _____

Step 7. _____

Step 8. _____

River Reflections

CREATE - We built our tool at the river. Here is a sketch of what it looked like:

Here are some things that worked with our original tool/plan:

Here are some things that did not work with our original tool/plan:

IMPROVE - Here are some of the things my group did to improve our original tool/plan:

Our final measurement was _____

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