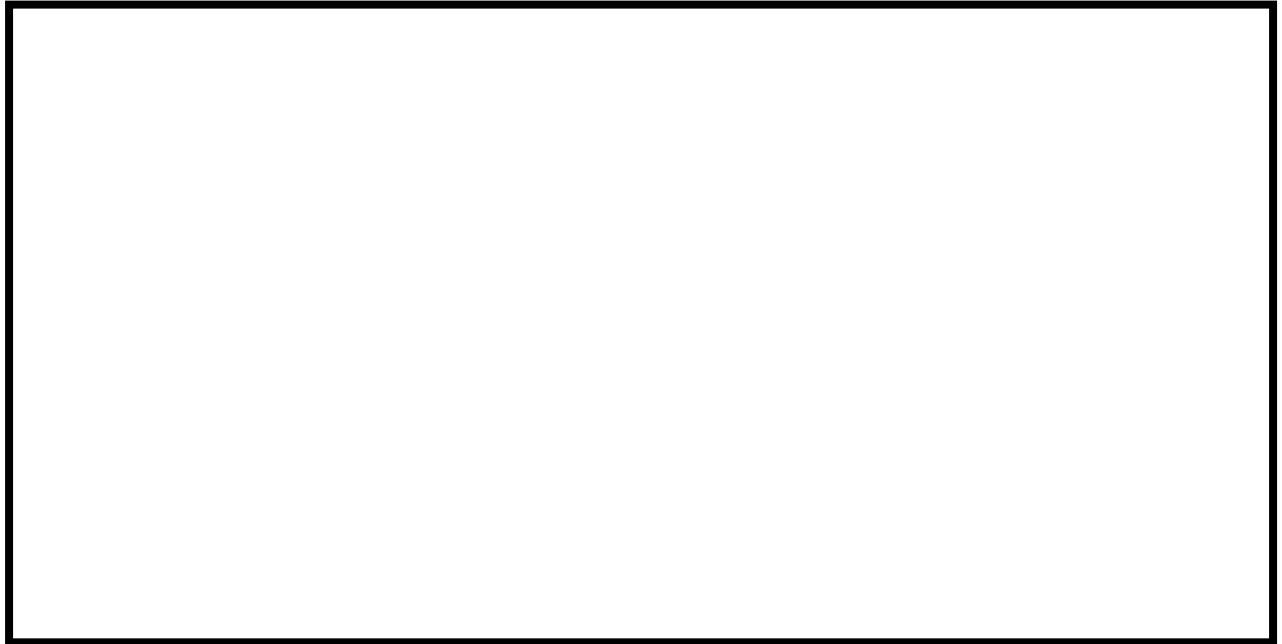


Name: _____ Teacher: _____

RBE Library Bridges Inquiry Activity

1. Beam Bridges Video

Draw a Beam Bridge with a load on it in the box below.



2. World Book Kids: Bridge Article

List the 4 types of bridges you discovered in this article.

1. A _____ Bridge
2. C _____ Bridge
3. S _____ Bridge
4. C _____ - S _____ Bridge

Name: _____

Teacher: _____

3. Building A Beam Bridge

Make a prediction as to which design you think will hold the most pennies.

Circle your choice!

How do design changes affect a load bearing structure?

single card

3 pieces not glued

3 pieces glued

glue

single card folded

Thinking Out of the Beaker

After the experiment is over, circle the bridge that actually held the most pennies.

Circle the best bridge!

How do design changes affect a load bearing structure?

single card

3 pieces not glued

3 pieces glued

glue

single card folded

Thinking Out of the Beaker

Why was that bridge the strongest?