

Name: _____

BRIDGES

There are many different bridges, but here are a few types. Try building some of these bridges and see which ones are the sturdiest! You can also combine different designs to make the bridge even sturdier.



BEAM BRIDGE: Consist of a strong beam. These bridges are usually shorter in length and are the simplest bridge to build.



TRUSS BRIDGE: These bridges are more complex to build. But when built properly, they are very strong. They consist of multiple triangles which help distribute weight and make it very sturdy.



ARCH BRIDGE: This design uses arches to help distribute the force to the sides of the bridge. These can be complex. You can also try using a beam to triangulate the bridge instead of the arches.



SIMPLE CANTILEVER BRIDGE: This bridge has beams that are supported by another beam or a tower that goes straight to the ground. This helps distribute weight in important areas.

