Bridge Building

This presentation provides students the opportunity to learn about bridges. It discusses basic bridge designs used, the forces that impact bridges and their design, materials used to build bridges, and gives them the opportunity to test their engineering skills.

The student engineers will use the available materials, provided by the presenter, to design and construct their own bridges. This work will take place in a team setting and timed, all under the direction and support of the presenter. Once, constructed, the bridges will be tested to failure. This process gives the students the chance to experience the effects of forces and load on bridges.