TECH:Bridge Construction - Span It (Const)

Summary

Students will utilize problem-solving and brain storming techniques. They will apply the principle of triangles in bridge construction while staying within a budget.

Time Frame

1 class periods of 45 minutes each

Group Size

Large Groups

Life Skills

Thinking & Reasoning, Employability

Materials

Span-it Bridge Building program (Free download software program from Bechtel.com)

Intended Learning Outcomes

1- The Student will learn to design and build a bridge on a computer.
2- The Student will efficiently use materials within a specific budget.

Instructional Procedures

1- Introduce students to the program.
2- Show how to choose and move items.
3- Show how to start over if needed.
4- Identify budget constraints.
5- Show the three different levels of bridge building challenges.
6- Complete the bridge within the assigned money budget.
7- Test the Bridge.

Authors

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