Title	**Bridge Building**
Objective	Students research ways engineers build bridges so they know basic structures to make their own miniature structures.
Learning Environment	Research at home on YouTube. Lab time in class to build.
Types of Students	Undergraduate engineering
Standards	N/A
Materials	Wood glue popsicle craft sticks
Procedure	• Students will research building ideas on YouTube and report to class the video and the value to the lesson. • Students will work in threes to create their own bridge creation. • Students will be tested on how strong the bridge is by way of weight added. • No higher than two feet no longer that two feet
Application	This project is designed to test the students' skills in pressure points and strength of design. Students will gather the needed calculations for better bridges.
Evaluation	Students will be graded as follows: • 10 points for YouTube video with vital information about topic • 20 points for formulas used in book and proof of calculations • 20 points for design and originality and craftsmanship • 20 points for not crushing under fifteen pounds • 5 extra points for the strongest bridge