**Paper Bridge Challenge - Activity Overview**

Materials

* 8.5” x 11” cardstock
* Washers or pennies
* Scissors
* Engineering Notebook
* Testing platform or books spaced 12” apart

Procedure (42 minute classes)

* Day 1:
  + Engineering Design Process Pre-Test
  + Engineering Design Process Presentation and Notes
* Day 2:
  + Dream Big Videos
  + Design Brief
  + Research
* Day 3:
  + Research
  + Brainstorming/Sketches
* Day 4-5:
  + Decision Matrix
  + Create Final Solution
    - Final Drawing
    - Directions for Assembly
    - Bill of Materials
* Day 6:
  + Exchange designs with another student
    - Build
    - Test
    - Provide feedback
* Day 7:
  + Reflection in Engineering Notebook
  + Engineering Design Process Post-Test