

Tech Ed 7/8

Fly, Span, Hurl, or Reach

“Necessity is the mother of invention” - Plato

Design Brief:

Using materials that you have at home, you are going to document and build the best thing you can that flies, spans, hurls, or reaches, and then improve it.

This could be a [record-breaking paper airplane](#) or a [spaghetti bridge that holds 300 pounds!](#) Maybe, a [catapult or trebuchet that hurls something across the field](#), or a [tower that touches the ceiling!](#)

Whatever you make, you will document your process and try multiple iterations. Your process and the sharing of your experience are more important than the final result.

Assignment:

Fill in [this Google Form](#) to begin

You will share a short presentation of your build on Google Classroom on June 11 or 12.

Creations will be evaluated on the design process, workmanship, and performance

Bonus: [Create an Instructable, win a prize](#)

Suggested Materials:

Glue: wood glue or hot glue (use a mat to catch the mess)

Building materials: Wooden chopsticks or popsicle sticks, spaghetti, Lego

Other: Paper, tape, string, rubber bands, hair elastics, Lego, thread

Evaluated Materials

Google Form 20%

Prototype 30%

Sharing 50 %

