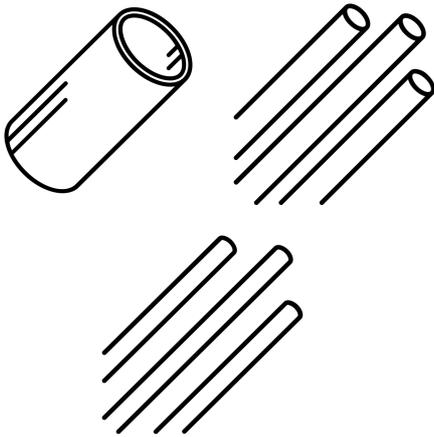


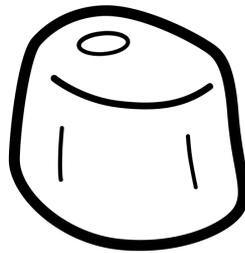
## Al Dente Engineering

Ever thought you'd see a skyscraper made from spaghetti? Or a bridge made from Bucatini? Well turns out pasta as well as being tasty is a great building material. So why not give it a go and see what you can create.

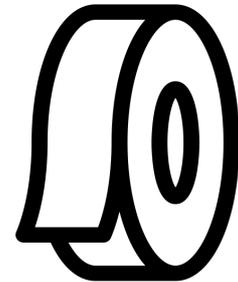
### Materials required:



Pasta



Marshmallows  
(or jellies)



Sticky tape

### The challenge:

- Build a tower, bridge or other structure of your choice from the materials above
- Connect the pasta using the marshmallows, jellies or sticky tape
- The structure must be free-standing (i.e. not leaning against a wall!)
- Extra points are awarded for using as little material as possible

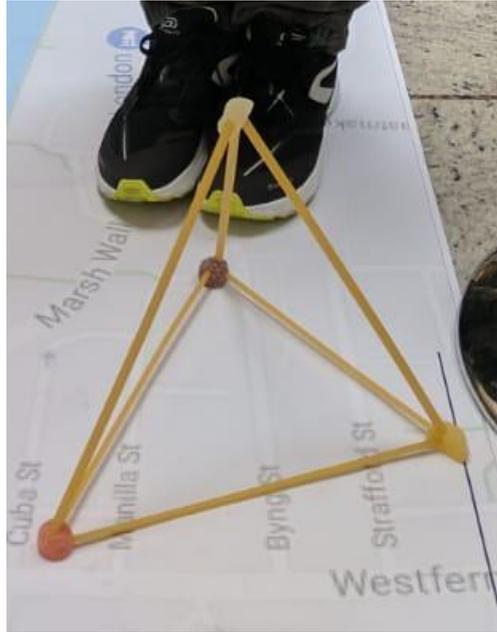
This challenge will get you thinking about many of the fundamental principles of engineering. How can you make your structure strong and stable but at the same time light and elegant?

Our top tips include keeping things simple, making sure you start with a stable base and try and keep things balanced.



## Inspiration:

(Photos from the Scale Rule workshop at Open House Families 2018)



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