

Spaghetti Towers Outline

Things to bring:

Nametags

Marshmallows

Measuring tape

Tape

Spaghetti

Observe for half the class

Intro to Engineering

What is engineering?

Definition:

What does an engineer do?

Answer:

Icebreaker - What's your name? And what in this room was designed by an engineer?

Many different types of engineers (name some), super briefly explain them all

FIRST BUILDING ACTIVITY - Spaghetti Towers

Explain activity -

Materials

Time constraint

Challenge/objective

Explain triangles vs. squares

Have teacher make groups of three

Go ahead and build! We'll help

End 5 minutes before the end of class and discuss what worked and what didn't work