

SPAGHETTI BRIDGE

GRADES 5-8

SUPPLIES

Box of spaghetti

Rubber bands

Glue or hot glue gun

Paper

Pencil

DIRECTIONS

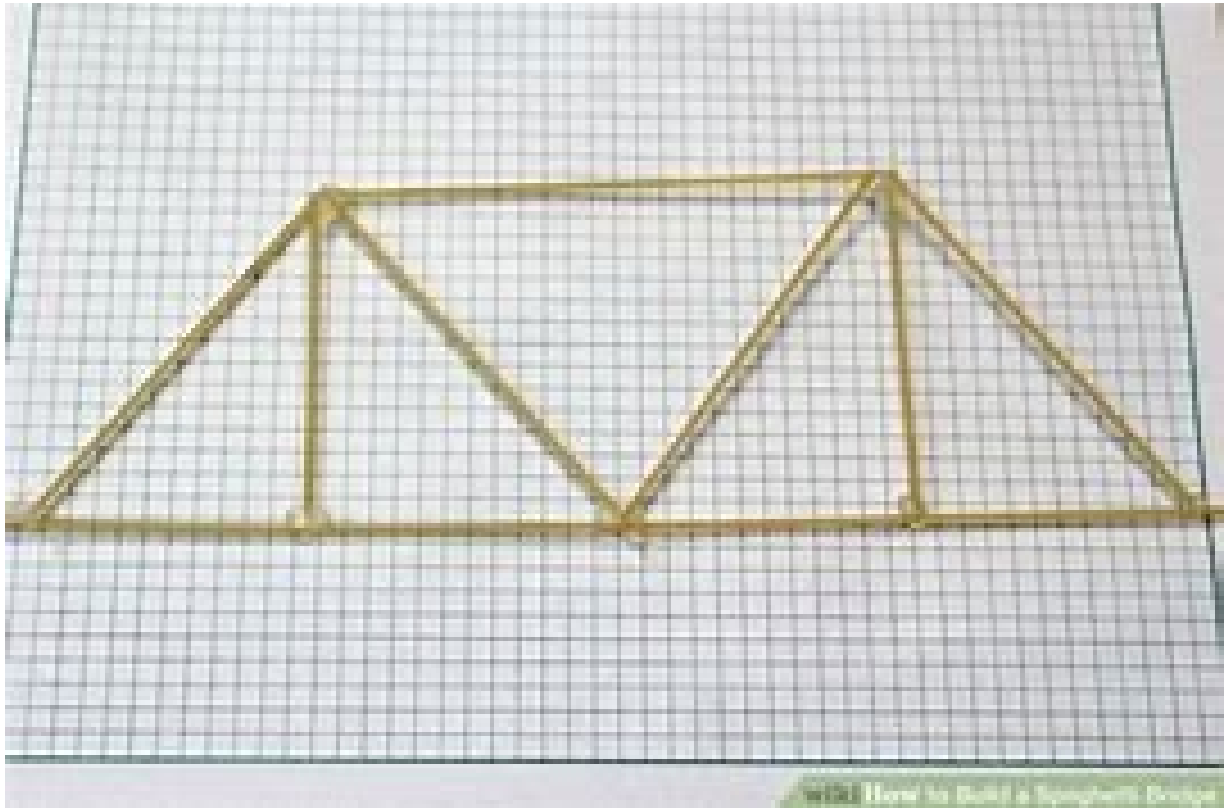
1. You will log onto www.youtube.com.
2. You will type in Spaghetti Bridge with Science Max.
3. You will watch the video.
4. After you watch the video you will go back and follow his directions on how to make the bridge. **(MAKE SURE YOU USE AT LEAST 4 STRANDS OF SPAGHETTI TO MAKE THE TRUSSES AND THE BOTTOM. YOU CAN USE THE RUBBER BANDS TO HOLD THE STRANDS TOGETHER.)**
5. When it is completed, you can try to see how much weight your bridge will hold until it collapses.

QUESTIONS

1. What is a truss?
2. List the 5 main types of bridges.
3. Give an example of a famous bridge for each type.

4. Why do people make spaghetti bridges?

Design for bridge



Spaghetti Bridge



9 AWESOME TRICKS WITH STATIC ELECTRICITY

DIRECTIONS:

You will go to www.youtube.com and type in “9 awesome tricks with static electricity.”

There are 9 different things you can do with the static electricity. You should be able to complete at least 5 of them with supplies you have at home.

On your computer using Microsoft Word, tell me which ones you were able to do and explain if they were worked the way they should have.

Under your explanations, answer the following questions in complete sentences.

QUESTIONS:

1. What is static electricity?
2. What causes static electricity?
3. How can static electricity be useful?
4. How can static electricity be harmful?
5. List 2 ways you can protect yourself from static electricity.