



MARSHMALLOW SPAGHETTI TOWER

BACKGROUND

The first building that was considered a skyscraper was the Home Insurance Building in Chicago, Illinois. It was built in 1885, and stood until 1931. It was considered a skyscraper because it was the first building to use steel and concrete as its foundation and structure. However, people have been building tall towers since 300 BCE! The lighthouse of Alexandria was about 330 feet tall and stood from 280 BCE until 1480 CE. In this activity, you won't have to create something that big, but if you want to look at how those structures were designed, they might inspire your creation using only marshmallows and uncooked spaghetti.

WHAT WILL YOU LEARN ?

- PROTOTYPE
- ITERATE
- COLLABORATE
- FEEDBACK
- IMPROVE

Engineering Design

Defining Problems

Developing Possible Solutions

Optimizing the design solution