

Directions: Tower Investigation and the Egg

Read documents on tower types. You will find them online or your teacher will provide them.

You are required to build 3 towers to hold an egg a foot high for 15 seconds. You will have to build a guyed tower(cable supported), a self-standing tower, and a monopole tower. Your teacher will have a selection of materials from which to choose. Be sure to draw designs of your tower on paper, labeling the type and the chosen materials, and write why it is designed the way it is. Be sure to consider the forces to which the tower will be subjected.

Build the towers and test them by putting an egg on them for 15 seconds.

You will be asked to present to the class the strengths and weaknesses of each type of tower, based on your experiments and the articles you have read.