

Tallest Flagpole STEM Challenge

Materials Needed

1. Toothpicks: (these could also be substituted for small straws or even sticks found outside)
2. Play Dough: If you don't have play dough, you can make your own with any kind of flour and food color. (this could also substituted for mini marshmallows or gummy snacks)
3. Ruler (a measuring tape or string could also be used)
4. Record Sheet (one will be provided by your teacher)

Flagpole STEM Challenge Rules

Each flagpole has the same number of toothpicks; 15

For each joint, each player can only use play dough rolled to the size of a marble.

Players have 3 attempts to build their flagpole, and the player that ends with the biggest height is the winner.

Final structure must be stable enough to stay unchanged for at least 2 minutes before being measured.

