

Structures

CTE Intro

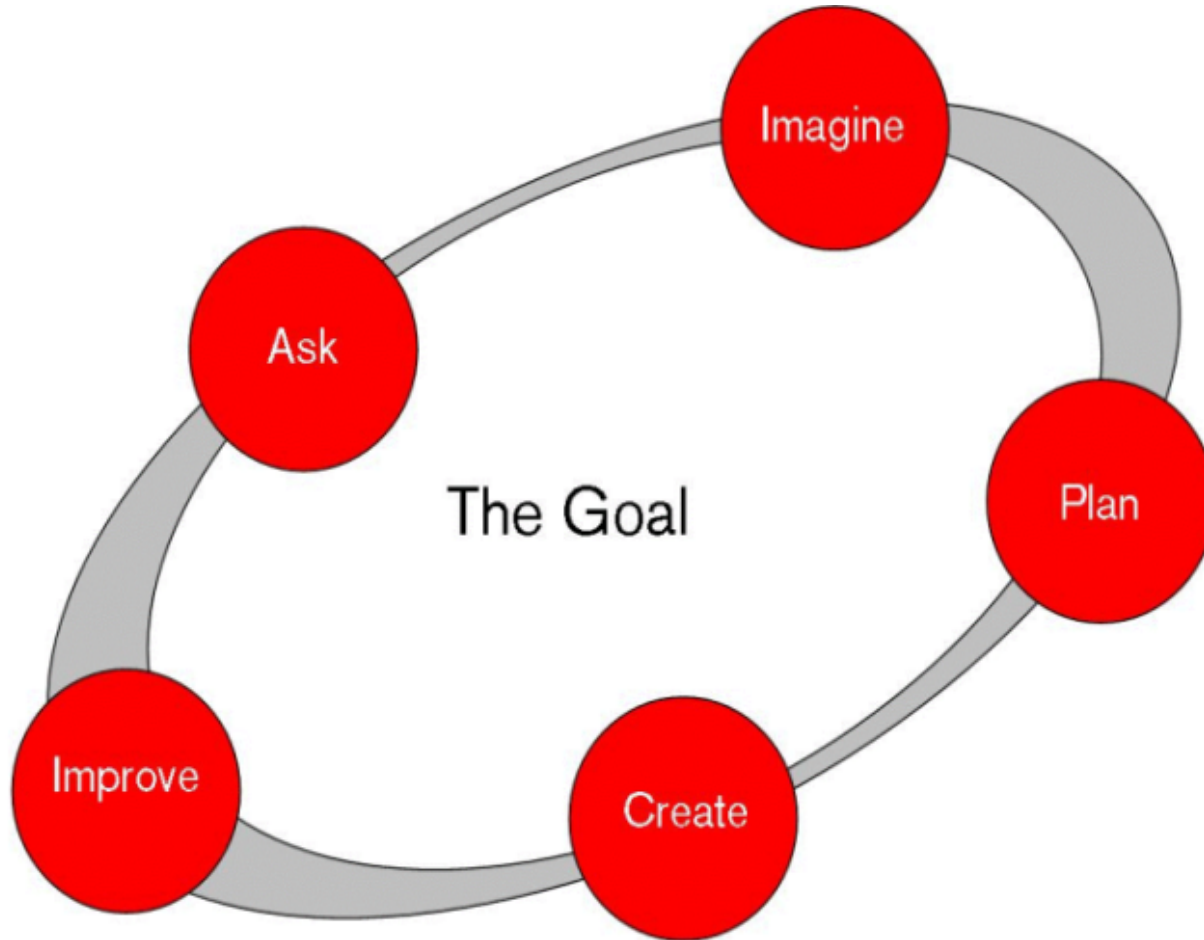
Paper Tower Challenge

- Design Brief

Materials / Requirements/Limitations

- Work individually or with a partner.
- One sheet of paper
- 1 foot of tape
- Scissors
- Foot Ruler
- The tower must be free standing for at least 5 seconds :You cannot use tape to connect the tower to the table.
- The tower must stand least 2 1/2 feet above the table.
- Complete documentation for Engineering Design Process
- You cannot touch/blow or otherwise “hold up” the tower
- Note: First Team to get one meter = 5 bonus points
- Note: Team with the tallest tower = 5 bonus points

Engineering Design Process



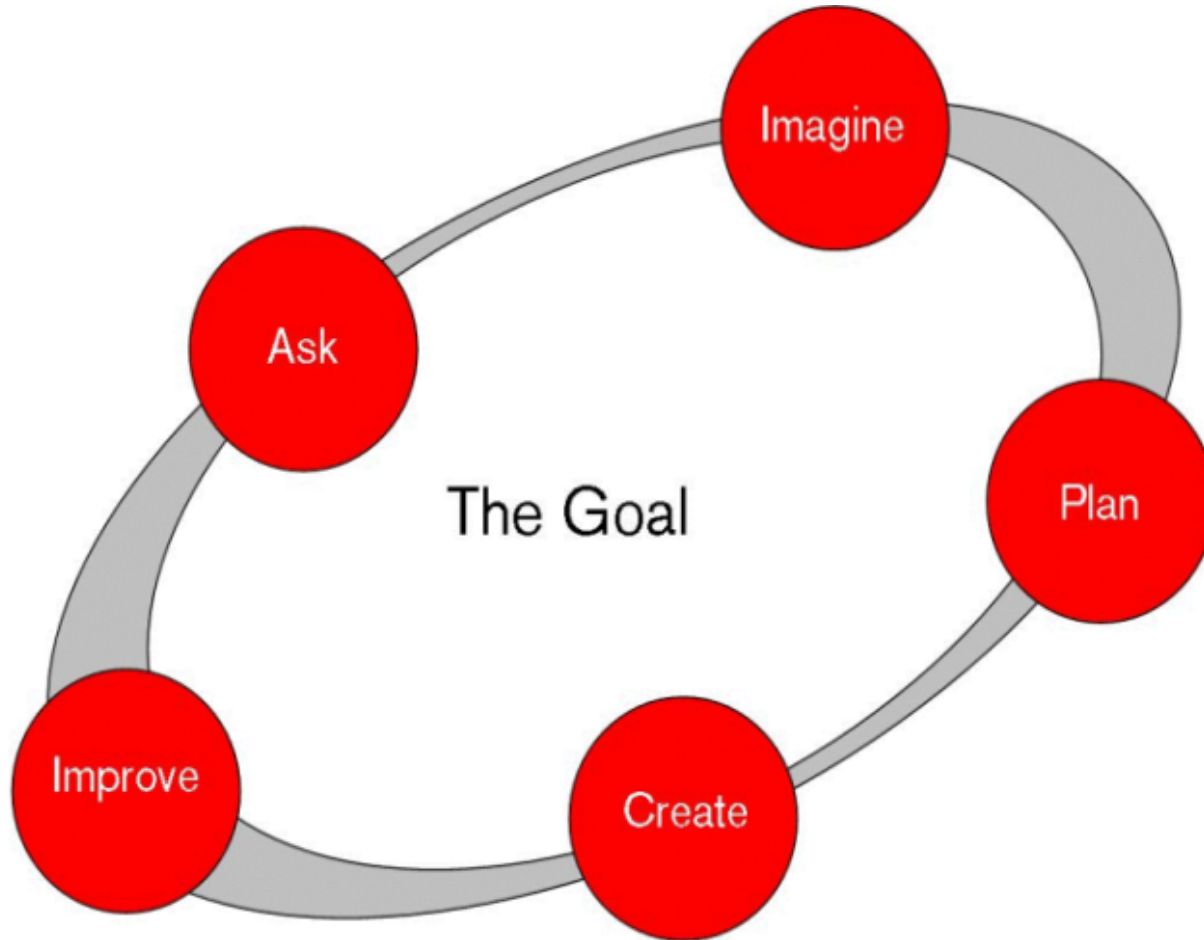
Paper Box Challenge

- Design Brief

Requirements/Limitations

- Five (3" X 5") index cards
- 1 sheet of paper
- 4 feet of tape
- Everyone must start with a standard box (2 cards folder in half that are taped together.
- Must crush the box from the top
- Must hold at least 50 lbs
- Complete documentation for Engineering Design Process
- Plus 5 points for holding Mrs. Stirland!

Engineering Design Process



Structures and shapes





