

2020 3M Young Innovators Challenge



Mighty Monument Challenge

Materials list 2020

Permitted materials

- ▶ Wood – including, but not limited to, cocktail sticks, matchsticks, lollipop sticks, dowel or sheet
- ▶ Plastic – including, but not limited to, plastic bottles, straws, foam, rod or sheet
- ▶ Paper or cardboard in any form
- ▶ Fabric
- ▶ Thin rope, string, wool or other thread
- ▶ Foil, film or other similar sheet material
- ▶ Paper clips, staples, glue, tape, split pins or other similar connecting materials
- ▶ Any decorative materials including but not limited to stickers, paint, pen, pencil, crayon, glitter and feathers

Excluded materials

- ▶ Commercial monument construction kits

Dimensions

- ▶ The structure should support as much load as possible, up to a maximum of 10kg, held in a container whose base is at a height of 900mm
- ▶ The monument itself may extend beyond the height of the loading container, if desired. There are no restrictions on the overall dimensions of the monument, however, please consider that it needs to be transported to the judging session
- ▶ The Challenge is focused on the concept of 'strength to weight ratio' rather than outright weight holding capacity. Therefore, a lightweight structure holding less than 10kg could potentially outperform a heavier structure that supports the maximum load
- ▶ The monument may either be themed on an existing world monument or pupils may research and construct a monument to honour a person or event relevant to the school's locality

