

Student Names:			
School:			
Activity Title:	Spaghetti -Marshmallow tower challenge		
Topic/Area Covered:	Civil + Mechanical engineering		
No of pupils	20	Duration of Session	2x 50 minutes

Activity Summary: (100 words max)	<p>The spaghetti tower challenge is a team-building activity where teams aim to build the tallest freestanding tower which can support a marshmallow at its peak (tip). Each team is provided with uncooked spaghetti and dry marshmallows.</p> <p>The class will be split into groups of 4.</p> <p>The activity will teach the concepts of compression and tension, while introducing shapes that used in constructing a secure structure.</p>
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Activity Aims:

<i>Promote design thinking mindset</i>
<i>Collaboration and teamwork skills</i>

Resources/Materials Required

Qty	Resource/Materials
10	<i>Pack of Marshmallows (150g)</i>
6	<i>Pack of Spaghetti (500g)</i>
3	<i>Masking Tape</i>

Lesson Plan

Time	Activity	Resources Needed	Notes
8min	Introduction (Personal + Activity)	Projector	
30min	Spaghetti Tower	Dry Marshmallow, Spaghetti, Masking tape, Scissors	
5min	Judging	Metre stick	
7min	Debrief	Projector	<ul style="list-style-type: none"> • Highlight engineering concepts from the activity • Introduce engineering as a subject