

**Hands-on Workshops –
SDG 11 Sustainable Cities & Community**

Workshop title:	Toothpicks Tower Challenge
Workshop owner: (Name of School/ Institution/University/Organization)	LKC FES/Surveying Department
Description of workshop: (objective, content, etc)	<p>Objectives :-</p> <ol style="list-style-type: none"> 1. To teach youth about teamwork, communication, and leadership. 2. To expose the roles of QS to young generation in construction industry <p>Content :-</p> <ol style="list-style-type: none"> 1. A 2D tower drawing, 50 pieces of toothpicks and plasticine will be given to participants. 2. Following their own creativity, the participants are given 15 minutes to build a free-standing tower structure using only toothpicks and plasticine, on the paper plate. 3. Then calculate the total quantity of toothpicks which has been used and cost of the structure. Rate per piece, taking off paper, pencil, and calculator are provided. 4. The tallest and most stable structure at low cost will be the winner. It must stand on its own for 10 seconds to be measured, and measure the tower's height from the highest point to the base of the tower. 5. The lecturer on duty will brief them on the structure elements involve. 6. The participants are allowed to take home their toothpicks tower.
Age group:	7-12 years old
Group size:	4 participants/session

Number of session per day:

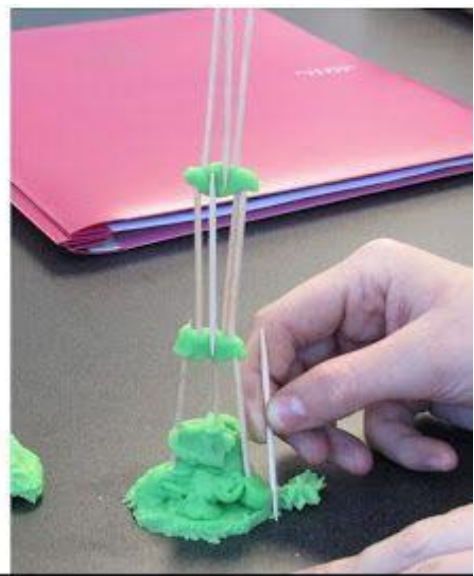
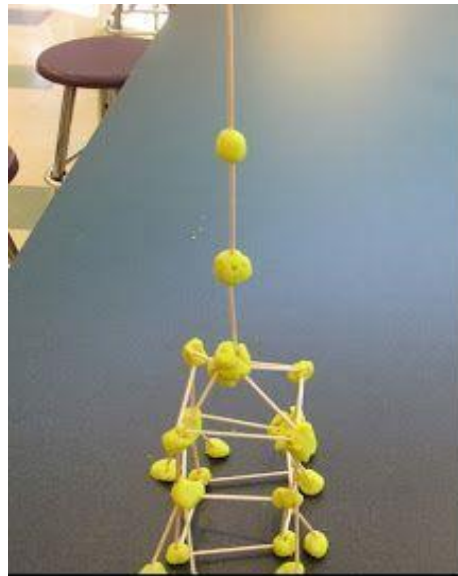
Duration per session (eg. 30 minutes):

Time (eg. 9.00am – 9.30am):

10 sessions per day
30 minutes per session

9.00 am – 9.30 am
9.30 am – 10.30 am
11.00 am – 11.30 am
11.30 am – 12.00 pm
1.30 pm – 2.00 pm
2.00 pm – 2.30 pm
3.00 pm – 3.30 pm
3.30 pm – 4.00 pm
4.30 pm – 5.00 pm
5.00 pm – 5.30 pm

pictures/photos



Toothpick Towers

