WHO CAN BUILD THE TALLEST TOWER?

A **TOWER** is a tall structure. Humans have made towers for centuries. Towers were originally used for observation, nowadays they are also used for telecommunication purposes. It is challenging to build a tower that is both tall and stable. Start with a strong foundation that has a fairly low center of gravity. The base needs to be wider than the top. Make sure each piece you add is balanced so the tower does not fall over.

CREATE a tall, **stable** tower using craft sticks and clothespins. Make it as tall as you can.

PRESENT your tower to the class. Explain how you came up with your design. Discuss the different solutions you tried before coming up with your final design.

RESPOND to your classmates' towers. Compare the height of their towers with yours. Is it taller or shorter? Who has the tallest tower in the class? Describe the base of the tallest tower. How does it contribute to the stability of the structure? Who has the most unique design? What did you learn about building a tower?

CONNECT what you learned about building a stable tower with famous towers around the world. Find a picture of the CN Tower which is in Toronto, Canada. It was the tallest tower in the world from 1976 until 2010, and in 1995 it was declared one of the modern Seven Wonders of the World! Look at the structure to see how it was designed. What design features make it strong enough to support its height?

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THINKING SHEET