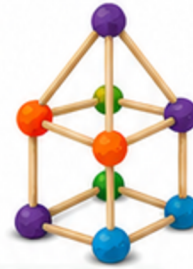




SHAPES TOWER

Build, explore and learn!



1. PREDICTION

What do you think will happen when you build a tower using shapes and play-dough?



3. OBSERVATIONS

What did you do? What happened?



2. DRAW YOUR EXPERIMENT

Draw your shapes tower.



4. WHAT DID I LEARN?

What did you learn while building your shapes tower?



5. CHALLENGE QUESTION

What other shapes can you use to make your tower stronger? Why?

MATERIALS



Wood sticks



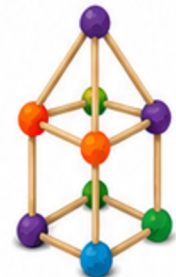
Organic play-dough



Scissors

DIRECTIONS

- 1 Cut the wood sticks to the same length.
- 2 Use the play-dough as glue to connect the sticks.
- 3 Start by forming four squares for the base of your tower.
- 4 For the top, use triangles by connecting the sides of the squares.
- 5 Build your tower and see how strong it is!



WHY IS THIS HAPPENING?

The play-dough acts as a strong adhesive, allowing you to build stable structures. Using different shapes helps distribute weight and makes your tower stronger and more balanced.



SQUARE
(Stable)



TRIANGLE
(Very stable)



PENTAGON
(Stable)

Different shapes make your structures stronger!



EXTRA QUESTION

Which shape gave your tower the most stability?
What would happen if you used only squares?
What if you used only triangles?

NOTE

Use clips or tape to hold the sticks in place while building your tower.

