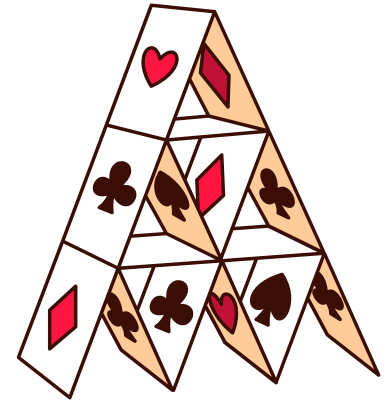


Mini-Engineering Card Tower Challenge

Card Tower Challenge: Participants build a tower using index cards or playing cards. You can use various techniques like folding cards into "V" or "W" shapes for stability.



Materials:

- Stack of index cards (or old postcards or playing cards you don't mind getting bent)
- A six-sided die
- Toy car or small book
- Timer

Roll the die and see what challenge you get:

- Roll 1-2: Build a tower that can support a small object (like a toy car or a small book).
- Roll 3-4: Build the tallest tower possible in 2 minutes.
- Roll 5-6: Build a structure using only "V-folded" cards as your base.

Test and Improve: If your tower collapses, use the Engineering Design Process, identify the weak point, imagine a better shape (like triangles for strength), and rebuild