



24 STEM & ENGINEERING

Ideas for Kids



Anywhere Learning
MEANINGFUL LEARNING. WHEREVER YOU ARE.

Build & Engineer

- Build the tallest tower from spaghetti and marshmallows
- Design a paper airplane that goes the farthest (try three designs)
- Build a craft-stick bridge that holds a book
- Engineer a foil boat that carries the most pennies before sinking
- Build a marble run on a wall using cardboard tubes and tape
- Design a container that protects an egg from a one-story drop
- Build a wind-powered cart that rolls across a table
- Construct a catapult from a Y-shaped stick and rubber band

Science & Experiment

- Run an evaporation race: water in sun shade and cover
- Build a liquid density tower with honey dish soap water and oil
- Plant the same seed in full sun partial shade and dark
- Drop objects from the same height and see which lands first
- Track shadows hourly by marking a stick's shadow tip with rocks
- Bury five items and check weekly to track decomposition
- Make a DIY rain gauge and track rainfall over a week
- Test which surfaces hold heat: sun-warmed rock vs shaded rock

Backyard STEM

- Build a bridge across a gap using only sticks stones and bark
- Dig water channels in sand or dirt to move water from A to B
- Design a shelter for a toy using found materials
- Sit with eyes closed and draw a sound map of everything you hear
- Roll different objects down a slope and compare speed
- Mark a one-meter square and count every living creature
- Engineer a solar oven that melts chocolate
- Build a working weather station with three homemade instruments



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