



# 15 BACKYARD SCIENCE

## Experiment Ideas

### Water & Weather

- Run an evaporation race: water in sun, shade, and cover. Check hourly
- Make a DIY rain gauge and track rainfall over a week
- Build a liquid density tower with honey dish soap water oil
- Test what floats in a puddle (leaf stick pebble feather)
- Time how long a puddle takes to evaporate on a hot vs cool day

### Animals & Bugs

- Place different foods near an ant trail and watch which they find first
- Build a bug hotel from pinecones bamboo tubes bark and straw
- Set up a bird feeder and log which species visit and when
- Mark a one-meter square and count every living creature
- Sit with eyes closed and draw a sound map of everything you hear

### Plant & Soil

- Plant the same seed in full sun, partial shade, and a dark closet
- Plant three different seed types and race to see which sprouts first
- Drop soil into a jar of water, shake and observe the layers
- Bury five items (leaf banana peel paper plastic fabric) and check weekly
- Create a worm habitat in a clear jar with alternating soil and sand layers

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