

STARTERS FOR SCIENCE

STARTER FOR SCIENCE	FOCUS	KEY WORDS	YOU WILL NEED	YOU MIGHT ALSO WANT
1. Paper Towers	Structures	Weight, gravity, shape, strength	3 pieces of A4 paper, some books (or a plastic plate with small, heavy objects)	Sticky tape, other kinds of paper or card, ruler
2. Straw Planes	Flight	Air resistance, gravity, shape, distance	Paper straws (or make your own by wrapping paper around a pencil and securing it with tape), card, sticky tape, scissors	Different kinds of paper or card, ruler or tape measure
3. Paper Flowers	Absorbency	Absorb, liquid, solid	Bowl or tray of water, paper, scissors	Different kinds of paper or card, stopwatch or timer, other liquids
4. Shadow Puppets	Shadows	Light, shadow, block, opaque	Small piece of card, scissors, sticky tack, torch or mobile phone	Ruler
5. Falling Paper	Air resistance	Air resistance, weight, gravity, speed	Pieces of A4 paper	Card, other kinds of paper (sugar or tissue paper), ruler, mobile phone
6. Levers and Catapults	Levers	Lever, pivot, force, catapult	Different types of spoons, cylindrical objects (pen, pencil, glue stick, rolling pin), scrunched up paper ball	Elastic bands, bendy spatula
7. Animal Camouflage	Adaptations	Camouflage, visibility, predator, prey	Plain paper, colouring pens, pencils of paint, scissors	Leaves, twigs, natural materials, glue
8. Mirrors and Light	Light	Light source, reflect, travel, straight lines	Shiny, flat objects (mirrors, CDs, DVDs or saucepan lids), source of light (mobile phone or torch), dark place	Sticky tack or plasticine
9. Melting Ice	Insulation	Solid, liquid, melting, insulating	Ice cubes, different types of socks, cups or containers, timer (clock or stopwatch)	Ruler, foil, bubble wrap, fabric or other materials to test
10. Paper Friction	Friction	Force, friction, grip, contact	Two similar sized books	Other kinds of books: exercise books, hardbacks, paperbacks, magazines