

## **Primary School Science & Technology Equipment**

**Part of the PLANNING process** when Working Scientifically involves organising all of the equipment needed for an investigation. An equipment 'shopping list' is a good place to start.

**Other aspects** to consider are:

- WHERE will equipment be sourced... From homes, from nearby high schools...?
- WHO will be responsible for particular items?

**School communities**, Parent and Citizen (P&C) organizations or students' parents are often very willing to help provide materials if they are aware of what is needed:

- A request through the school newsletter -written by students- could source much of the equipment that is needed.

**Students should have access** to appropriate equipment for science investigations and not be limited by a lack of resources. Each subject area in the primary curriculum requires particular 'tools':

- PDHPE requires sport equipment,
- Maths requires measuring devices (also useful for science investigations),
- English requires readers or novels.

**Your school needs Science and Technology resources.**

These can be borrowed but why not have your own collection?

Suggested resources are detailed in the following pages:

<b>TOPICS</b>	<b>SCIENTIFIC AND TECHNOLOGY EQUIPMENT</b>	<b>EVERYDAY EQUIPMENT</b>
General	Safety goggles/glasses Hot plate Plasticine or modeling clay Eye droppers Earth globes (may be large inflatable) Metal teaspoons Plastic tea spoons	Small mirrors with edges taped Disposable plastic cups Drinking straws Alfoil, plastic wrap etc Small plastic bags Baby bath or large container for floating Food dyes Matches Needles, thread
Measuring equipment	Plastic measuring cylinders, various sizes Thermometers, alcohol (-10-110C) Thermometers, digital Tape measures Simple electronic balance Masses Steel washers Spring balances of various sizes Stop watches or timer clocks	Plastic measuring jugs and cups Bathroom scales Plastic funnels
Energy	Electrical equipment: batteries (D size), globes (1.2V), globe holders, battery holders, wires with clips (can make own), electric motors, electric bells Magnets- bar Iron filings Magnetic compasses	Wooden planks for ramps Torches Tea light candles, matches Marbles Balls Ice cube trays
Living things	Magnifiers Magnifying 'bug holders' Fish tank Forceps Small paint brushes	
Technology	Wooden dowel of various sizes Lego kits Gear kits Wheels and axels Corrugated plastic sheets Double sided sticky pads or tape Graph paper Rotary cutter, cutting mat Quick cutter Balloon pump Clear plastic tubing Polystyrene balls Wood working: tenon saw, metal safety rule, bench hook, carpenter's square	Low melt glue guns Low melt glue PVA glue in bulk Plastic sauce bottles for PVA Cotton gloves Masking and sticky tape Scissors Variety of paper fasteners Pop sticks Balloons Hammer Nails Pegs Pins Screwdriver
Food technology		Hot plate Clear saucepan or saucepan with clear lid

		Plastic table covers Simple cooking equipment eg Mixing bowls Wooden spoons Chopping boards Paper plates Milton or antiseptic table wipes Sieve
--	--	--

This equipment is in addition to the copious supplies of “junk” equipment that needs to be accumulated such as

- Plastic containers
- Cardboard boxes
- Metal objects
- Corks
- Cotton reels
- Egg cartons
- Fabric scraps
- Foam scraps
- Wool yarn
- Plastic bottles
- Metal trays