Technicians Requirements

**Details about equipment and resources needed for each of the lessons.**

**It has been divided into items for groups of pupils (recommended 5 pupils per group), so items will need to be multiplied accordingly. There are also items for the whole class.**

**Granny’s Cup of Tea**

* **Per group of pupils:**
	+ **1 tray containing:**
		- **2 stopwatches**
		- **2 medium beakers**
		- **1 plastic spoon**
		- **1 mass balance**
		- **1 250ml measuring cylinder**
		- **1 weighing boat**
	+ **Sugar paper**
	+ **Pens**
* **For the class:**
	+ **Sugar: granulated, icing, caster, cubes**
	+ **Thermometers (if required)**

**Granny’s Minibeast Menu**

Pitfall trap(s) to be set up day before GMM Primary Science Day

* **Per group of pupils:**
	+ **1 set of laminated minibeast cards**
* **For the class:**
	+ **Pooters**
	+ **Sugar paper**
	+ **Metre rulers**
	+ **Magnifying cups (to study minibeasts) and/or trays (to store minibeasts)**
	+ **Plastic spoons and/or forceps (to handle minibeasts)**
	+ **Magnifying glasses**

**Fizz, Bang, Wallop**

* **Per group of pupils:**
	+ **6 enamel trays**
		- **Tray 1 containing:**
			* **1 beaker of vinegar**
			* **1 pipette**
			* **1 beaker labelled ‘Floor Polish’**
		- **Tray 2 containing:**
			* **1 beaker of tap water**
			* **1 pipette**
			* **1 beaker labelled ‘Helga’s Hair Gel’**
		- **Tray 3 containing:**
			* **1 beaker of shampoo**
			* **1 pipette**
			* **1 beaker labelled ‘Golden Gloss Shampoo’**
		- **Tray 4 containing:**
			* **1 beaker of lemonade**
			* **1 pipette**
			* **1 beaker labelled ‘Sheep Dip’**
		- **Tray 5 containing:**
			* **1 beaker of toothpaste**
			* **1 pipette**
			* **1 beaker labelled ‘Brilliant False Teeth’**
		- **Tray 6 containing:**
			* **1 beaker of bicarbonate of soda**
			* **1 pipette**
			* **1 beaker labelled ‘Horse lonzenge’**
	+ **1 tray containing:**
		- **1 bottle of universal indicator**
		- **1 spotting tile**
		- **2 pH scales**
	+ **1 tray containing:**
		- **1 medium beaker**
		- **2 stopwatches**
* **For the class:**
	+ **4 trays**
		- **Tray 1 labelled ‘Mixture A’ containing:**
			* **Small beakers of water**
			* **Weighing boats**
			* **Powdered vitamin C tablets**
		- **Tray 2 labelled ‘Mixture B’ containing:**
			* **Small beakers of white vinegar**
			* **Weighing boats**
			* **Bicarbonate of soda**
		- **Tray 3 labelled ‘Mixture C’ containing:**
			* **Small beakers of lemonade**
			* **Weighing boats**
			* **Icing sugar**
		- **Tray 4 labelled ‘Mixture D’ containing:**
			* **Small beakers of citric acid**
			* **Weighing boats**
			* **Sherbet**
	+ **Rulers**
	+ **Pencils**

**Electrocuting Granny**

* **Per group of pupils:**
	+ **1 tray containing:**
		- **1 multimeter/voltmeter**
		- **Black and red leads**
		- **1 copper strip**
		- **1 steel strip**
		- **2p coins**
		- **Steel nails**
		- **2 crocodile clips**
* **For the class:**
	+ **1 tray with a range of fruit (e.g., 1 orange, 1 lemon, 1 lime, 1 grapefruit, 1 potatoes, 1 courgette, 1 carrot, 1 apple)**