Grow seeds on cotton wool and observe the results over a two week period.

Resources

- Tray
- Cotton wool balls
- Seeds
- Record sheet

Instructions

1. Place cotton wool balls, one per seed *type* to be germinated (*i.e.* if you are going to germinate 3 different seed types, use three separate cotton wool balls), in the tray (milk bottle bottom) provided;;

2. Saturate the cotton wool balls with water—they should be wet, but not floating in water;

3. Place 2 or 3 seeds of one particular type (wheat—shorter brown seed, oats—longer brown seed, or beans—round green seed) on a moistened cotton wool ball, and place on the window sill, or somewhere well lit and not cold where you will be able to observe what is happening easily;

4. Note any changes in the seeds each day, for 14 days, at around the same time, on the sheet provided. Either describe what you see (e.g. No change; white shoot appearing at seed end (or middle); shoots grown to 1 cm (or however long they might be); shoots turning greed at end; second shoot appearing at seed end (or middle) *etc.*) or draw appropriate pictures of the seeds. Use one column for each different seed type, as labelled.;

5. The seeds should be watered each day, over the observation period, to ensure that the cotton wool balls remain moist.

Resource Preparation

Tray

Brand/Part Number	Size	$Cost	Place of Purchase

Simply cut the bottom off a plastic 2 litre milk bottle. In NSW and ACT, the 2 litre milk bottles have a small ridge about 2-3 cm from the bottom—cut just above this ridge. All that is required here, though, is something to keep the small amount of water required to keep the cotton wool balls moist.

Cotton Wool Balls

Brand/Part Number	Pkt of 150	$1.39	Woolworths

Preparation details, comments *etc.* as appropriate.

Seeds

Brand/Part Number	Size	$Cost	Place of Purchase