

KEY STAGE: 2

AT/SC: 2

TITLE: When I change the amount of fertiliser what will happen to the rate of growth of seedlings?

Programme of Study:

- 2.3a that plant growth is affected by availability of light and water, and by the temperature
- 2.3c that the root anchors the plant and that water and nutrients are taken in through the root and transported through the stem to other parts of the plant

Points to consider:

soil, seedlings or seeds and child friendly fertilizer required. Possibly best carried out as a whole class demonstration.

Possible AT1 teaching focus:	Comments:
<ul style="list-style-type: none"><u>Planning</u>Asking questions• Predicting• Fair TestingChoosing equipment<u>Obtaining Evidence</u>Using tablesUsing equipmentObserving and sortingRepeating readings<u>Considering evidence</u>Using graphsDrawing conclusionsInterpretingUsing science<u>Evaluating</u>Sufficient evidence?Consider anomaliesConsider improvements	<p>Remind children that it doesn't matter if their predictions are proved 'wrong'.</p> <p>Variable could be changed for differentiation eg</p> <p>'Easy' (discrete)- different types of fertilizer</p> <p>'Difficult' (continuous)- different concentrations of fertilizer</p>