

Plants in action

Level 2 and 3 investigating outcomes

Student	Stage	Key Learning Area	Date
		Science	

Task	Students investigate the conditions that affect plant growth.
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	Investigating unit outcomes	Beginning	Developing	Achieving
Level 2	Identify some variables that can be investigated.	Students can describe what a variable is.	Students can identify a variable in the investigation.	Students can identify a variable in the investigation and suggest how this variable might affect the outcome of the investigation.
	Make and record observations.	Students can make observations.	Students can make and share observations with others.	Students can make, share and record observations.

	Investigating unit outcomes	Beginning	Developing	Achieving
Level 3	Show awareness of the need for fair testing.	Students can identify what makes a test unfair.	Students can describe what a fair test is.	Students can describe what a fair test is and explain the importance of a fair test.
	Make predictions.	Students can guess what might happen.	Students can make a prediction.	Students can justify a prediction.
	Make measurements and observations.	Students can make observations of seed germination.	Students can make observations of seed germination and measure the growth of seedlings.	Students can make observations of seed germination and measure the growth of seedlings, describing conditions a seedling needs to grow.
	Display results in simple tables and graphs or as scientific diagrams.	Students can record their results of their investigation in a table.	Students can record their results of their investigation in a table and displays results in a simple graph.	Students can record their results of their investigation in a table and display results in a simple graph or as scientific diagrams, explaining the difference in plant growth.
	Identify and summarise patterns in results.	Students can identify patterns in investigation results.	Students can identify and discuss patterns in investigation results	Students can identify, discuss and summarise patterns in investigation results.

Plants in action

Plants in action

Level 2 and 3 conceptual outcomes

Student	Stage	Key Learning Area	Date
		Science	

Task	Students reflect on their learning and represent what they know about the life cycle of a flowering plant.
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	Conceptual unit outcomes	Beginning	Developing	Achieving
Level 2	Describe changes to the seed during germination and to the seedling during its growth	Students can observe changes to the seed.	Students can observe changes to the seed and describe the growth of the root and stem.	Students can observe changes to the seed and describe the growth of root, stem and formation of leaves.
	Identify a number of conditions required for plants to grow	Students can identify conditions that will not help a plant to grow.	Students can identify a number of conditions required for plant growth.	Students can identify a number of conditions required for plants to grow, explaining how each condition effects the growth of the plant.
	Identify parts of a seedling	Students can identify a seedling.	Students can observe seedling growth.	Students can identify and label parts of a seedling at it grows.
	Identify parts of a flower	Student can identify a flower.	Students can observe a flower as it grows.	Students can identify and label parts of a flower as it grows.

	Conceptual unit outcomes	Beginning	Developing	Achieving
Level 3	Explain the role of roots, stems, leaves, flowers and fruit	Students can observe roots, stems, leaves, flowers and fruit.	Students can identify roots, stems, leaves, flowers and fruit.	Students can identify all parts of a plant and give an explanation of the roles of each part.
	Explain the relationships between the stages and processes in the plant life cycle	Students can correctly sequence the life stages but does not show the stages linked up into a cycle.	Students can correctly sequence the life stages and shows them as a cycle.	Students can correctly sequence the life stages, show them as a cycle and explain how germination, pollination and seed dispersal are processes that link stages of the life cycle.