9 9.2 Checklist

Activate for AQA

Lesson	Know	Apply	Extend
9.2.1 Flowers and pollination	I can name the parts of a flower. ☐	I can identify the main structures in a flower and link their structure to their function. ☐	I can explain how the structures of the flower are adapted to their function. ☐
	I can state what is meant by pollination. ☐	I can describe the process of pollination. ☐	I can suggest how plants breeders use knowledge of pollination to carry out selective breeding. ☐
	I can name two methods of pollination. ☐	I can describe the differences between wind pollinated and insect pollinated plants. ☐	I can explain the processes of wind and insect pollination, comparing the similarities and differences between the two. ☐
		I can use appropriate techniques to dissect a flower into its main parts. ☐	I can use appropriate techniques to dissect a flower and record detailed observations. ☐
9.2.2 Fertilisation and germination	I can state what is meant by fertilisation in plants. ☐	I can describe the process of fertilisation in plants. ☐	I can explain the process of fertilisation in plants, explaining the role of each of the parts involved in the process. ☐
	I can state what seeds and fruit are. ☐	I can describe how seeds and fruits are formed. ☐	I can explain how the germination of seeds occurs. ☐
	I can make and record observations of germination. ☐	I can make and record observations in a table with clear headings and units, using data to calculate percentage germination. ☐	I can make and record observations in a table, using data to calculate percentage germination, and evaluating experimental procedure. ☐
9.2.3 Seed dispersal	I can state what is meant by seed dispersal. ☐	I can describe methods seed dispersal, and use the features of seeds and fruit to explain how they are adapted to their method. ☐	I can explain how the adaptations of seeds aid their dispersal. ☐

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Lesson	Know	Apply	Extend
	I can name the methods of seed dispersal. ☐	I can explain why seed dispersal is important to survival of the parent plant and its offspring. ☐	I can develop an argument about why a particular plant structure increases the likelihood of successful production of offspring. ☐
	I can plan a simple experiment, stating the variables, when given a hypothesis. ☐	I can plan a simple experiment to test one hypothesis about seed dispersal, identifying a range of variables. ☐	I can plan and design an experiment to test a hypothesis about seed dispersal, clearly explaining all the variables involved. ☐