



Unit Structure: Stage 5 Science

Unit 5.1: The Life Cycle of a plant

30% of the total annual teaching time

Code	Learning Outcomes
5Bp1	Plants reproduce.
5Bp6	Flowering plants have a life cycle including pollination, fertilisation, seed production, seed dispersal and germination.
5Bp5	Plants produce flowers which have male and female organs, seeds are formed when pollen from the male organ fertilises the ovum (female).
5Bp4	Insects pollinate some flowers.
5Bp2	Seeds can be dispersed in a variety of ways.
5Bp3	Seeds need water and warmth for germination, but not light.

Unit 5.2: Evaporation and Condensation

20% of the total annual teaching time

Code	Learning Outcomes
5Cs1	Evaporation is when a liquid turns into a gas.
5Cs4	The boiling point of water is 100°C.
5Cs2	Condensation is when a gas turns into a liquid and is the reverse of evaporation.
5Cs3	Air contains water vapour and when it hits a cold surface it may condense.





Unit 5.3: Shadows

20% of the total annual teaching time

Code	Learning Outcomes
5PI1	Shadows are formed when light travelling from a source is blocked.
5PI7	Opaque objects/materials do not let light through and transparent objects/materials let lots of light through.
5PI2	The size of a shadow is affected by the position of the object.
5PI3	Shadows change in length and position throughout the day.

Unit 5.4: The Movements of the Earth

10% of the total annual teaching time

Code	Learning Outcomes
5PI4	The Sun does not move, its apparent movement is caused by the Earth spinning on its axis.
5PI5	The Earth spins on its axis once every 24 hours.
5PI6	The Earth takes a year to orbit the Sun, spinning as it goes.

Unit 5.5: The Way We See Things

20% of the total annual teaching time

Code	Learning Outcomes
5PI8	We see light sources because the light from the source enters our eyes.
5PI9	Beams/rays of light can be reflected by a mirror, the reflected light enters our eyes and we see the object.
5PI0	When a beam of light is reflected from a surface it changes direction.

