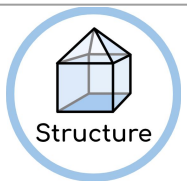
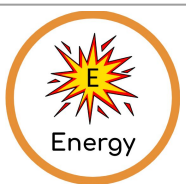
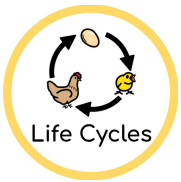
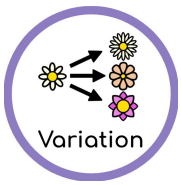
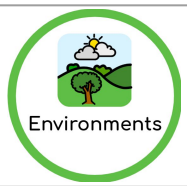
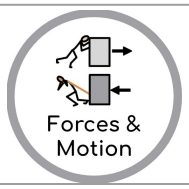
Threshold Concepts in Science

	**Big Idea 2: Living (and nonliving) things can be grouped in a variety of ways** Living and non-living things have features that help us describe them, like colour, shape, size, texture or how they behave..
	**Big Idea 1: There is a relationship between structure and function.** **Big Idea 4: Everything on Earth exists in one of three states: solid, liquid, gas, and the state of matter can change.** Everything we see is made of particles.
	**Big Idea 9: Energy makes things happen. It cannot be created or destroyed.** Energy helps us move, grow, stay warm and power machines.
	**Big Idea 10: The movement of Earth affects the time of day.** Earth spins and it rotates around the sun.
	**Big Idea 3: Living things move through different stages of growth and development** It includes starting life, growing up and sometimes having offspring of their own.
	**Big Idea 8: Living things have changed over time**. Living things are not all the same. Even animals or plants of the same kind can look or behave differently.
	**Big Idea 7: Living things depend on each other and on their environment.** This is called interdependence. The environment is everything around us: plants, animals, air, water, and land.
	**Big Idea 6: Changing the movement of an object requires a force to be acting on it.** For an object to move, stop, speed up, slow down or change direction, a force must be acting on it.
	**Big Idea 5: Lifestyle choices affect survival and health.** Health means our bodies and minds feel good and work well. We can stay healthy by eating well, moving and keeping clean


Comparative and fair testing


Observing over time


Identifying, classifying and grouping


Research using secondary sources


Pattern Seeking