

Science 25/26 MTP

Team	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
3	Magnets/ Forces 1. How do some forces interact? 2. How do things move on different surfaces? 3. What materials are magnetic? 4. How does distance affect magnets? 5. How does a magnet work? 6. What is a magnetic pull?	Animals Including Humans 1. What is the purpose of a skeleton? 2. what are some of the bones called in the skeletons of animals? 3. How does the body protect its organs? 4. How do muscles and bones work? 5. How do we fuel our bodies? 6. What does a healthy diet look like?	Light 1. What is light? 2. What is reflected light? 3. How can the sun affect us? 4. How are shadows formed? 5. What patterns are there to shadows sizes? 6. Why do we need light?	BSW 1. 2. 3. 4. 5. 6.	Plants 1. What are the different parts of a plant and their functions? 2. What do plants need in order to survive? 3. How is water transported within plants? 4. What part does a flower play in the lifecycle of a plant? 5. How do plants disperse their seeds? 6. What seeds can we find in our local area?	Rocks 1. How are rocks similar and different? 2. How do we classify rocks? 3. How hard are rocks? 4. How are fossils formed? 5. How are rocks formed and how do they change? 6. What is soil made of?
4	States of Matter 1. How do I compare and group materials together according to whether they are a solid, liquid or gas? 2. How do I compare and group materials together according to whether they are a solid, liquid or gas? 3. What happens when some materials change shape when they are heated or cooled? 4. How do some materials change shape when they are heated or cooled? 5. What part does evaporation and condensation play in the water cycle? 6. How does evaporation change in relation to temperature?	Electricity 1. How do you know if an appliance uses electricity? 2. Why does the bulb work in a series circuit? 3. How do I know if a material is a conductor or insulator? 4. What is the job of a switch? 5. How can a test a conductor? 6. Which symbols are used in a circuit?	Animals including Humans 1. Can I describe the simple functions of the digestive system in humans? 2. Can I identify different teeth in humans and name their functions? 3. Do I know how to keep my teeth healthy? 4. Can I identify and compare teeth of carnivores, herbivores and omnivores? 5. Can I construct and interpret a variety of food chains? 6. Can I construct and interpret a variety of food chains identifying producers, predators and prey?	BSW 1. 2. 3. 4. 5. 6.	Sound 1. how are sounds created? 2. How do sounds travel through different mediums? 3. What are the patterns between pitch and volume of sound? 4. Why does sound get fainter as the distance increases? 5. What are the patterns between pitch and volume? 6. How are sounds created?	Living Things and Habitats 1. can I group living things in a variety of ways 2. Can I explore and use classification keys 3. How do I use and explore classification keys 4. how do I name and identify a variety of living things in the environment 5/6. can I recognise that some environments can change and pose risks to living things
5	Forces 1. What is a force and how do we measure it? 2. what is gravity and is it affected by mass? 3. what are the effects of air resistance? 4. How can I make the most streamline vehicle? 5. what affects friction? 6. How do levers, pulleys and gears allow a smaller force to have a greater effect?	Earth and Space 1. How is the movement of the Earth and other planets, relative to the sun in the solar system? 2. What is the distance and size of Earth and other planet in relation to the sun? 3. What are the movements of the moon relative to the Earth? 4. How do the Sun, Earth and moon orbit in relation to one another? 5. What is the movement of the Earth in relation to the Sun? 6. Why do some meteors make larger craters than others?	Properties and Changes of Materials 1. - How can I compare and group together everyday materials based on their properties, including hardness, solubility, transparency, conductivity and response to magnets? 2. what is a solution? 3. can we recover a substance from a solution? 4. Are changes of state, caused by heating always, sometimes or never reversible changes? 5. How can I make effective glue? 6. What do we know about what	BSW 1. 2. 3. 4. 5. 6.	Living Things and Habitats 1. what do we mean by lifecycles? 2. What are the differences in life cycles of a mammal, an amphibian, an insect and a bird? 3. What are the life processes of reproduction in some plants and animals? Part 1 4. What are the life processes of reproduction in some plants and animals? Part 2 5. What options a there in sexual and asexual reproduction in plants? 6. How are gestation periods different in different animals?	Animals including Humans 1. How do humans/animals develop from birth to old age? 2. How does a foetus grow? 3. What are the changes as humans develop to old age? 4. What is puberty? 5. What is physical and mental health? 6. What are the changes throughout puberty and how can I look after myself through this time?



			<p>new materials can be formed from burning or the action of acid on bicarbonate of soda?</p>			
<p>6</p>	<p>Classification 1. How can I classify living things into broad groups? 2. How can I classify mini beasts? 3. What reasons can I give for classifying plants and animals based on their characteristics? 4. Why are plants and animals classified based on specific characteristics? 5. How are living things classified into broad groups based on their characteristics and similarities? 6. How are living things classified into broad groups based on their characteristics and similarities?</p>	<p>Electricity 1. What are the reasons for variations in how components function? 2. What are the recognised symbols when representing a simple circuit in a diagram? 3. How do you compare and give reasons for variations in how components function? 4. How is the volume of a buzzer associated with the number and voltage of cells used in a circuit? 5. How can simple electric circuits be designed and constructed for a specific purpose? 6. How can recognised symbols be used and understood when representing a simple circuit in a diagram?</p>	<p>Animals including Humans 1. What are the main parts of the human circulatory system and what are their functions? 2. How is heart rate measured? 3. How is heart rate measured? 4. How are nutrients and water transported around the body? 5. How does diet and exercise impact the way our bodies work? 6. How does smoking and drugs impact the way our bodies work?</p>	<p>BSW 1. 2. 3. 4. 5. 6.</p>	<p>Evolution and Inheritance 1. How have plants adapted to suit their environment and how can that adaptation lead to evolution? 2. aquarium trip 3. How have animals adapted to suit their environment and how can that adaptation lead to evolution? 4. Why do offspring have similar and different characteristics to their parents? 5/6.SATS</p>	<p>Light 1. How does light travel? 2. How do periscopes work? 3. How do we see? 4. How are shadows formed? 5. How does light travel through different mediums? 6. How are rainbows formed?</p>