

<b>Autumn 1: Human Body</b>	
Lesson 1	<p>To identify what animals need to survive.</p> <p>Success criteria:</p> <ul style="list-style-type: none"> <li>• I know that animals need water, food and air to survive</li> <li>• I know that when water, food or air is scarce, humans and animals suffer.</li> <li>• I know that when animals, including humans, have water, food and air, they can have offspring that grow into adult</li> </ul>
Lesson 2	<p>To assemble and label a skeleton.</p> <p>Success criteria:</p> <ul style="list-style-type: none"> <li>• I know that animals need water, food and air to survive</li> <li>• I know that our skeleton is made up of bones inside our body</li> <li>• I know that our muscles help us to move. Exercise is an important way of keeping our body healthy</li> </ul>
Lesson 3	<p>To label the digestive system.</p> <p>Success criteria:</p> <ul style="list-style-type: none"> <li>• I understand that digestion means breaking down the food we eat.</li> <li>• I understand that our bodies take things we need out of the food we eat. I</li> <li>• I understand that it is important to feed our bodies with healthy foods.</li> </ul>
Lesson 4	<p>To explain the main function of the heart.</p> <p>Success criteria:</p> <ul style="list-style-type: none"> <li>• I know that the heart is a muscle inside our body.</li> <li>• I know that the heart pumps blood around our body.</li> <li>• I know that our blood circulates around our body, which means it goes around and around.</li> </ul>
Lesson 5	<p>To explain how scientists have found ways to keep us healthy.</p> <p>Success criteria:</p> <ul style="list-style-type: none"> <li>• I know that we need to take care of our bodies through exercising, keeping clean, eating a balanced diet and resting.</li> <li>• I know that germs can make us unwell.</li> <li>• I understand that scientists have found ways to help us stay health</li> </ul>
Lesson 6	<p>To create a double page spread about your learning.</p> <p>Success criteria:</p> <ul style="list-style-type: none"> <li>• I know that our bodies, including our muscles and bones, need exercise to stay healthy.</li> <li>• I know that our digestive system takes nutrients from food to help us stay healthy.</li> <li>• I know that keeping clean stops germs from spreading and keeps us healthy.</li> </ul>

<b>Autumn 2: Materials and Matter</b>	
Lesson 1	<p>To understand that materials have specific uses based on their properties.</p> <p>Success criteria:</p> <ul style="list-style-type: none"> <li>• I know that everyday materials include plastic, fabric, wood, paper, metal and glass.</li> <li>• I know that every material has its own properties, these can include being hard, soft, opaque, shiny, bendy.</li> <li>• I know that materials are used for a purpose depending on their properties.</li> </ul>
Lesson 2	<p>To know that inventors think carefully about materials and their properties.</p> <p>Success criteria:</p> <ul style="list-style-type: none"> <li>• I know that inventors need to think about the best materials to use for their inventions.</li> <li>• I know that scientists and engineers can work for many years on a project before they have success.</li> <li>• I know that velcro was made to help join two fabrics together.</li> </ul>
Lesson 3	<p>To know that scientists use microscopes to see very small things around us.</p> <p>Success criteria:</p> <ul style="list-style-type: none"> <li>• I know that scientists use a microscope to look closely at very small things.</li> <li>• I know that sometimes, materials look very different when we look at them using a microscope.</li> <li>• I know that everything around us is made from tiny building blocks we cannot see called atoms.</li> </ul>
Lesson 4	<p>To know that the shapes of solid objects made from some materials can be changed.</p> <p>Success criteria:</p> <ul style="list-style-type: none"> <li>• I know that solids have a definite shape.</li> <li>• I know that the shape of some solids can be changed by squashing, bending, twisting and stretching</li> <li>• I know that the atoms in a solid are tightly packed together and have a strong bond</li> </ul>
Lesson 5	<p>To understand that water can be a solid and can also be a liquid.</p> <p>Success criteria:</p> <ul style="list-style-type: none"> <li>• I know that liquids can be poured.</li> <li>• I know that the shape of a liquid depends on the container it is being held in.</li> <li>• I know that water can be a solid and can also be a liquid.</li> </ul>
Lesson 6	<p>To create a double page spread about your learning</p> <p>Success criteria:</p> <ul style="list-style-type: none"> <li>• I know that the materials used around us have different properties.</li> <li>• I know that solids have a definite shape, we can change the shape of some solids by bending and squashing.</li> <li>• I know that liquids flow freely.</li> </ul>

<b>Spring 1: astronomy</b>	
<input type="checkbox"/> Lesson 1	<p>To know there are eight planets in our solar system. Success criteria:</p> <ul style="list-style-type: none"> <li>• I know that the Sun is a star at the centre of our solar system.</li> <li>• I know there are eight planets in our solar system.</li> <li>• I know the planets are Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune</li> </ul>
<input type="checkbox"/> Lesson 2	<p>To know that Earth travels around the sun. Success criteria:</p> <ul style="list-style-type: none"> <li>• I know that planets travel around the Sun.</li> <li>• I understand that we call this journey an orbit.</li> <li>• I understand that as the planets orbit the Sun, they also spin around. We call this rotation.</li> <li>• I understand that night and day occur due to the Earth rotating.</li> </ul>
<input type="checkbox"/> Lesson 3	<p>To know that the moon orbits the earth. Success criteria:</p> <ul style="list-style-type: none"> <li>• I know that the Moon orbits the earth.</li> <li>• I now that the moon reflects the light of the sun.</li> <li>• I know that as the Moon's position changes, we can see different parts of it.</li> </ul>
<input type="checkbox"/> Lesson 4	<p>To know that groups of stars are called constellations. Success criteria:</p> <ul style="list-style-type: none"> <li>• I know that a constellation is a group of stars that, when seen from Earth, form a pattern.</li> <li>• I know that people have given constellations names and have told stories that imagine how the constellations were formed.</li> <li>• I know that astronomers have studied the stars for many years, learning from each other and making new discoveries</li> </ul>
<input type="checkbox"/> Lesson 5	<p>To understand that scientists, including astronomers, learn from each other to make new discoveries about space Success criteria:</p> <ul style="list-style-type: none"> <li>• I know that scientists, including astronomers, study space to find out more about what lies beyond our planet.</li> <li>• I know that the International Space Station orbits earth and allows scientists to find out more about space.</li> <li>• I know that scientists have sent a rover to Mars to look for signs of life long ago</li> </ul>
<input type="checkbox"/> Lesson 6	<p>To create a double page spread about your learning Success criteria:</p> <ul style="list-style-type: none"> <li>• I know about the planets in our solar system.</li> <li>• I know that Earth travels around the sun.</li> <li>• I know that the moon orbits the earth.</li> <li>• I can describe and name some constellations.</li> <li>• I know that scientists explore spa</li> </ul>

<b>Spring 2: Plants</b>	
Lesson 1	<p>To know there are many different kinds of plants.</p> <p>Success criteria:</p> <ul style="list-style-type: none"> <li>• I know there are many different kinds of plants.</li> <li>• I know around my school I can find plants</li> <li>• I know around my school I can find trees</li> </ul>
Lesson 2	<p>To understand that seeds and bulbs grow into mature plants.</p> <p>Success criteria:</p> <ul style="list-style-type: none"> <li>• I know a seed can grow into a flowering plant.</li> <li>• I know when a seed germinates, it changes from a seed into a seedling.</li> <li>• I know some plants create bulbs that live underground, and their leaves grow up through the soil.</li> </ul>
Lesson 3	<p>To understand that healthy plants need light and water to grow</p> <p>Success criteria:</p> <ul style="list-style-type: none"> <li>• I know when a plant has no water, it cannot grow well.</li> <li>• I know when a plant has no light, it cannot grow well. P</li> <li>• I know pants often grow well in the Spring as the temperatures get warmer and there is often rain.</li> </ul>
Lesson 4	<p>To understand that healthy plants need light and water to grow.</p> <p>Success criteria:</p> <ul style="list-style-type: none"> <li>• I know when a plant has no water, it cannot grow well.</li> <li>• I know when a plant has no light, it cannot grow well. P</li> <li>• I know pants often grow well in the Spring as the temperatures get warmer and there is often rain.</li> </ul>
Lesson 5	<p>To understand that plants are grown for food.</p> <p>Success criteria:</p> <ul style="list-style-type: none"> <li>• I know some plants are grown for food.</li> <li>• I know that farmers grow crops for food.</li> <li>• I know crops are harvested, packaged and transported for people to buy and eat.</li> </ul>
Lesson 6	<p>To create a double page spread about your learning</p> <p>Success criteria:</p> <ul style="list-style-type: none"> <li>• I can observe and describe how seeds and bulbs grow into mature plants</li> <li>• I can find out and describe how plants need water, light and a suitable temperature to grow and stay healthy</li> </ul>

<b>Summer 1: Living Things</b>	
Lesson 1	<p>To know the differences between living, dead and never been alive.</p> <p>Success criteria:</p> <ul style="list-style-type: none"> <li>• I know that living things move, grow, need air and reproduce.</li> <li>• I know that dead things were once alive, but are no longer alive.</li> <li>• I know that inanimate things have never lived; for example a rock.</li> </ul>
Lesson 2	<p>To know that a habitat is the name given to a place where plants or animals live.</p> <p>Success criteria:</p> <ul style="list-style-type: none"> <li>• I know that a habitat is the name given to a place where plants or animals live.</li> <li>• I know that in a woodland habitat we might see: oak trees, ferns, mosses, beetles, foxes and squirrels.</li> <li>• I know that in a desert habitat we might see: camels, scorpions, rattlesnakes, cacti and tumbleweed</li> </ul>
Lesson 3	<p>To understand which living things live in deserts and rainforests.</p> <p>Success criteria:</p> <ul style="list-style-type: none"> <li>• I know that some animals and plants that might be found in rainforests are banana trees, orchids, monkeys and parrots.</li> <li>• I know that deserts are very dry, whether hot or cold, and plants and animals have adapted to survive</li> </ul>
Lesson 4	<p>To name and describe animals who live in underground habitats.</p> <p>Success criteria:</p> <ul style="list-style-type: none"> <li>• I know that some animals live in underground habitats.</li> <li>• I know that animals that live in underground habitats include badgers, moles, foxes, rabbits and worms.</li> <li>• I know that these animals have adapted to living underground</li> </ul>
Lesson 5	<p>To know that a food chain describes 'who eats what' within a habitat.</p> <p>Success criteria:</p> <ul style="list-style-type: none"> <li>• I know that a food chain describes 'who eats what' within a habitat.</li> <li>• I know that green plants make their own food; we call these plants producers.</li> <li>• I know that animals who eat plants, or other animals, are called consumers.</li> </ul>
Lesson 6	<p>To create a double page spread about your learning</p> <p>Success criteria:</p> <ul style="list-style-type: none"> <li>• I can name and identify a number of plants and animals, and their habitats</li> <li>• I understand that habitats provide for the basic needs of the plants and animals that live there</li> <li>• I understand that animals and plants are well suited to their habitats</li> </ul>

