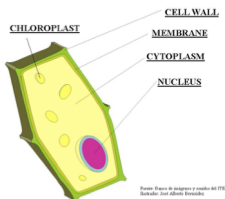


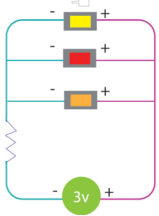

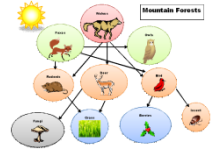





Year 7 Autumn Term	Spring Term	Summer Term
<p>7A Cells, Tissues, Organs and Systems Organs, tissues, systems. Microscopes and cells. Plant/Animals cells. Specialised cells. Cell division. Unicellular / multi cellular organisms. <i>Task; Making Cell models.</i> <i>End of topic assessment.</i></p>  <p>7E Mixtures and Separation Mixtures. Separation techniques. Purifying rock salt. Dissolving. Saturated solutions. Factors affecting solubility. Distillation. Chromatography. <i>Task: Dissolving, (practical task).</i> <i>End of topic assessment.</i></p> 	<p>7F Acids and Alkalis Safety. Household acids & alkalis. Using indicators. The pH scale. Neutralisation. Everyday examples of neutralisation. <i>Task: Identifying household examples</i> <i>End of topic assessment.</i></p>  <p>7J Current Electricity Electrical safety issues. Current electricity. Measuring current in series and parallel circuits. Changing current, using voltmeters. Modelling electricity. Resistance. How electricity can help or harm our bodies. <i>Task: Modelling Electricity</i> <i>End of topic assessment.</i></p> 	<p>7K Forces and Their Effects What can forces do? Measuring forces. How can we control friction? Springs. Gravity, mass and weight. Floating and sinking. Balanced Forces. Speed. Distance time graphs. Pressure. <i>Task: Cartesian diver creation</i> <i>End of topic assessment.</i></p>  <p>7D Ecosystems What is variation? Adaptations, Relationships / correlations. Continuous and discontinuous variations - graphs. Inherited and environmental variations. How organisms affect their environments. Food webs/chains</p>  <p><i>End of topic assessment.</i></p>
<p>7I Energy Energy in food, Transfers and Stores, Fuels, Energy resources, Fossil fuels, Making change, <i>Research task: Renewable energy sources</i> <i>End of topic assessment.</i></p> <p>7B Sexual Reproduction in Animals Animals and zoos, Reproduction, Reproductive organs, Pregnancy, Gestation and birth, Growing up, Zoos and their Impact. <i>Research Task: IVF</i> <i>End of topic assessment.</i> <u><i>End of Autumn term assessment.</i></u></p> 	<p>7C Muscles and Bones Fitness and lifestyle, Muscles and Breathing, Muscles and blood, The Skeleton and its function, Muscles and Movement, Drugs, Drugs and Sport <i>Task: Fitness assessment sessions</i> <i>End of topic assessment.</i></p>  <p>7G The Particle Model Our Rubbish, Solids, Liquids and Gases, Particles, Brownian Motion, Diffusion, Air Pressure and Waste. <i>Task: Diffusion of different liquids and Dilution task</i> <i>End of topic assessment.</i> <u><i>End of Spring term assessment.</i></u></p> 	<p>7H Atoms, Elements and Molecules Properties of materials, The Air we Breathe, Elements of the Earth, Metals and Non-Metals, Conductors of heat, Compounds, Practical Demo Assessment: Iron and Sulphur <i>End of topic assessment.</i> <u><i>End of Summer term assessment.</i></u></p> <p>7L Sound Making sounds and animal uses of sounds, Human sound use, Moving sounds, Detecting Sounds, Talking about sound waves <i>Task: 100m sound speed test</i> <i>End of topic assessment.</i></p> 