

Home learning menu – Year 9

Class	Biology	Chemistry	Physics	Activities, links and instructions
Extension Science groups	<p>How living things get what they need – adaptations of tissues and organs in plants to aid photosynthesis and control transpiration.</p> <p>Later moving on to the disease extension topic to learn about the symptoms and transmission of a variety of bacteria, viruses, fungi and protist. A detailed look at malaria.</p>	<p>Explaining the properties of substances – Properties are different depending on which elements make up the substance and how they are bonded together.</p> <p>Later studying more chemical reactions, looking at the reactivity series and how we can use our knowledge about reactivity to our advantage, such as in extracting metals from their ores.</p>	<p>Molecules and matter – Increasing their understanding of molecules in solids, liquids and gases and moving on to discuss the concept of internal energy.</p> <p>Later moving onto the behaviour of light, studying reflection, refraction and dispersion of light.</p>	<p>Lesson details to be posted on Microsoft teams every lesson</p> <p>50% live lessons</p>
9JK1 9JK2 9JK3 9JK4 9JK5 9L1 9L2 9L3 9L4	<p>How living things get what they need – the functioning of the heart and lungs, adaptations of tissues and organs in plants to aid photosynthesis and control transpiration.</p> <p>Later moving on to the disease extension topic to learn about disease that are contagious.</p>	<p>Global climate change and atmospheric pollutants.</p> <p>Later moving onto explaining the properties of substances – Looking at metals and non metals and how they bond together. Learning how the properties are different depending on which elements make up the substance and how they are bonded together.</p>	<p>Reviewing the radiation topic.</p> <p>All classes will then be studying molecules and matter – students will increase their understanding on molecules in solids, liquids and gases and 9JK classes will move on to discuss the concept of internal energy.</p> <p>9JK classes will later move onto a closer look at waves, where they will observe the properties of different waves. They will look at seismic and sound waves.</p>	<p>Lesson details to be posted on Microsoft teams every lesson</p> <p>50% live lessons</p>

