

Home learning menu – Year 11

All lessons are live on teams. If you cannot access teams for some reason here is some useful information so you can continue your learning until you can access teams again.

Class	Biology	Chemistry	Physics	Activities, links and instructions
11 Seps 1 (11EB/Sep)	B15 – speciation, evidence of evolution (fossils), extinction, antibiotic resistance and classification Later to continue with B2 – cell division, growth and differentiation and stem cells	C15- Looking at how the Earth’s resources can be used, including fertilisers, alloys, glass and ceramic.	P16 – Space Physics Reviewing previous units with a focus on Paper 2 Physics topics (Waves, Forces, Magnetism, Space Physics)	All work is set by the class teacher every lesson on Microsoft teams
11 Seps 2 (11EC/Sep)	B15 - Genetics and Evolution including classification followed by Transport in cells from B1.6	Mr Bennett C10 – Completing organic reactions looking at addition reactions of alkenes, reactions of alcohols, carboxylic acids and esters. C11 – Polymers. Addition and condensation polymerisation along with researching natural polymers and looking at DNA	B1 – Prokaryotic and Eukaryotic cells, Specialised cells Reviewing previous units with a focus on Paper 2 Physics topics (Waves, Forces, Magnetism, Space Physics)	All work is set by the class teacher every lesson on Microsoft teams
11E1	B14 – We will study natural selection, selective breeding, genetic engineering and ethical concerns of its use. Later moving onto B15 to study evolution and the evidence we have for it.	C8 – Reversible reactions, equilibrium and Le Chatelier’s Principle. Later moving on to C9 – Crude oil, structure of alkanes, fractional distillation and combustion	B1 – Prokaryotic and Eukaryotic cells, Specialised cells Reviewing previous units with a focus on Paper 2 Physics topics (Waves, Forces, Magnetism)	All work is set by the class teacher every lesson on Microsoft teams

11E2	Mr Coulson - B15 - Genetics and Evolution including classification Dr Hill – B2 – Stem cells, cell differentiation and meiosis	C8 – Reversible reactions, equilibrium and Le Chatelier’s Principle. Later moving on to C9 – Crude oil, structure of alkanes, fractional distillation and combustion	No new Physics content is being delivered at the moment	All work is set by the class teacher every lesson on Microsoft teams
11E3	Miss Jain - B1 – Specialisation in cells and methods of cell transportation.	C8 – Reversible reactions, equilibrium and Le Chatelier’s Principle. Later moving on to C9 – Crude oil, structure of alkanes, fractional distillation and combustion	Reviewing previous Physics units with a focus on Paper 2 topics (Waves, Forces, Motion, Magnetism)	All work is set by the class teacher every lesson on Microsoft teams
11E4	With Mrs Dickinson - Cell transport and the cell cycle. Moving to how organisms are organised, the structure of the digestive system and the role of enzymes and bile. Will move on to revising the structure and function of blood vessels and the components of blood. With Dr Hill – Microscopes, osmosis, diffusion and active transport	Mr Bennett C8 – Reversible reactions, equilibrium and Le Chatelier’s Principle. Later moving on to C9 – Crude oil, structure of alkanes, fractional distillation and combustion	No Physics content being delivered at the moment but there will be shortly	All work is set by the class teacher every lesson on Microsoft teams
11E5	B17 – Food chains and food webs, the water cycle and the carbon cycle. Later to continue with B2 – Cell division, including gamete production through meiosis and the differentiation of stem cells.	C8 – Rates of reaction Collision theory, effect of temperature, concentration and pressure. Catalysts, reversible reactions and dynamic equilibrium.	No physics content being delivered at the moment but there will be shortly	All work is set by the class teacher every lesson on Microsoft teams

		With Miss Dyer – C13 – The Earth's atmosphere including the early atmosphere and the current changes leading to global warming		
11A+1	B17 – Food chains and food webs, the water cycle and the carbon cycle.	With Mrs Davies – C3 – Structure and bonding, including ionic bonding, covalent bonding and giant ionic and covalent structures. C5 Chemical changes, looking at making salts including the required practical of making salts. Moving on to weak and strong acids and then neutralisation.	No Physics lessons at the moment but there will shortly be Physics revision starting for this class.	All work is set by the class teacher every lesson on Microsoft teams
11A+2	B17 – Food chains and food webs, the water cycle and the carbon cycle.	With Miss Marwick – C2- periodic table, including the history and layout of the periodic table, group 1 and group 7 elements. Then moving to C3 – structure and bonding, including ionic, covalent and metallic bonding and the properties of substances with this type of bonding. With Mr Bennett C5 Chemical changes, looking at making salts including the required practical of making salts. Moving on to weak and strong acids and then neutralisation.	No Physics lessons at the moment but there will shortly be Physics revision starting for this class.	All work is set by the class teacher every lesson on Microsoft teams

		C6 – Electrolysis (electrolysis equipment and electrolysis of molten compounds)		
11A+3	B17 – Food chains and food webs, the water cycle and the carbon cycle.	With Mrs Kirk - C5 Chemical changes, looking at making salts including the required practical of making salts. Moving on to weak and strong acids and then neutralisation.	No Physics lessons at the moment but there will shortly be Physics revision starting for this class.	All work is set by the class teacher every lesson on Microsoft teams
11A+4	With Mr Dickinson - Cell transport and the cell cycle. Moving to how organisms are organised, the structure of the digestive system and the role of enzymes and bile. Will move on to revising the structure and function of blood vessels and the components of blood.	None – not studying this course	None – not studying this course	All work is set by the class teacher every lesson on Microsoft teams