

	HT 1	HT 2	HT 3	HT 4	HT 5	HT 6
<p>Year 7 2020-21</p> <p><i>Note 1: Please read in conjunction with the curriculum maps that are in place for Biology, Chemistry & Physics which map out coverage from Y7-Y11.</i></p> <p><i>Note 2: Groups with more than one teacher will have an adapted rotation. Y7 Rotation can be found by clicking on the Y7 Rotation Link</i></p> <p><i>Note 3: Expansion on content for each unit can be found by clicking on the Big Picture link.</i></p> <p><i>Note 4: Key learning points for each unit can be found by clicking on the Key learning link.</i></p> <p><i>Note 5: Content for Working Scientifically can be found by clicking on the link.</i></p>	<p>Introduction to Science at BFCJ. (All groups - currently delayed). Big Picture link Key Learning link</p> <p>Cells, tissues and organs Big Picture link Key Learning link</p> <p>Forces Big Picture link Key Learning link</p> <p>Working Scientifically. WS Content LINK</p>	<p>Introduction to Science at BFCJ. (All groups - currently delayed). Big Picture link Key Learning link</p> <p>Cells, tissues and organs Big Picture link Key Learning link</p> <p>Forces Big Picture link Key Learning link</p> <p>Particles Big Picture link Key Learning link</p> <p>Working Scientifically. WS Content LINK</p>	<p>Particles Big Picture link Key Learning link</p> <p>Energy Big Picture link Key Learning link</p> <p>Forces Big Picture link Key Learning link</p> <p>Working Scientifically. WS Content LINK</p>	<p>Particles Big Picture link Key Learning link</p> <p>Energy Big Picture link Key Learning link</p> <p>Chemical Substances Big Picture link Key learning link</p> <p>Working Scientifically. WS Content LINK</p>	<p>Chemical Substances Big Picture link Key Learning link</p> <p>Energy Big Picture link Key Learning link</p> <p>Particles Big Picture link Key Learning link</p> <p>Working Scientifically. WS Content LINK</p>	<p>Reproduction in animals and plants Big Picture link Key Learning link</p> <p>Chemical Substances Big Picture link Key learning link</p> <p>Working Scientifically. WS Content LINK</p>

KS3 Science Summary DH September 2020

	HT 1	HT 2	HT 3	HT 4	HT 5	HT 6
<p>Year 8 2020-21</p> <p><i>Note 1: Please read in conjunction with the curriculum maps that are in place for Biology, Chemistry & Physics which map out coverage from Y7-Y11.</i></p> <p><i>Note 2: Groups with more than one teacher will have an adapted rotation. Y8 Rotation can be found by clicking on the Y8 Rotation link</i></p> <p><i>Note 3: Expansion on content for each unit can be found by clicking on the Big Picture link.</i></p> <p><i>Note 4: Content for Working Scientifically can be found by clicking on the link.</i></p>	<p>Particles Big Picture link Key Learning link</p> <p>Food & Energy Big Picture link Key Learning link</p> <p>Waves Big Picture link Key Learning link</p> <p>Working Scientifically. WS Content LINK</p>	<p>Particles Big Picture link Key Learning link</p> <p>Food & Energy Big Picture link Key Learning link</p> <p>Waves Big Picture link Key Learning link</p> <p>Working Scientifically. WS Content LINK</p>	<p><i>Chemical Patterns</i> Big Picture link Key Learning link</p> <p><i>Forces & Space</i> Big Picture link Key Learning link</p> <p><i>Waves</i> Big Picture link Key Learning link</p> <p><i>Working Scientifically.</i> WS Content LINK</p>	<p><i>Chemical Patterns</i> Big Picture link Key Learning link</p> <p><i>Forces & Space</i> Big Picture link Key Learning link</p> <p><i>Working Scientifically.</i> WS Content LINK</p>	<p><i>Chemical Patterns</i> Big Picture link Key Learning link</p> <p><i>Forces & Space</i> Big Picture link Key Learning link</p> <p><i>Environment</i> Big Picture link Key Learning link</p> <p><i>Working Scientifically.</i> WS Content LINK</p>	<p><i>Forces & Space</i> Big Picture link Key Learning link</p> <p><i>Environment</i> Big Picture link Key Learning link</p> <p><i>Working Scientifically.</i> WS Content LINK</p>

	HT 1	HT 2	HT 3	HT 4	HT 5	HT 6
<p>Year 9 2020-21</p> <p><i>Note 1: Please read in conjunction with the curriculum maps that are in place for Biology, Chemistry & Physics which map out coverage from Y7-Y11.</i></p> <p><i>Note 2: All Y9 groups follow the same sequence of units.</i></p> <p><i>Note 3: Expansion on content for each unit can be found by clicking on the Big Picture link.</i></p> <p><i>Note 4: Content for Working Scientifically can be found by clicking on the WS link.</i></p>	<p>Biology - The Healthy Body - Breathing system and effects of exercise. Effects of asthma and smoking on gas exchange. The role of the skeleton in humans. Big Picture link Key Knowledge link</p> <p>Chemistry - Metals Atomic structure Periodic Table and its development Properties of metals and non-metals Reaction of metals with air Rusting of iron Reaction of metals with water Big Picture link Key Knowledge link</p> <p>Physics – Energy stores & electricity</p>	<p>Biology - The Healthy Body – The effects of recreational drugs on the body and on health. The importance of a balanced, healthy diet. Importance of regular exercise in maintaining fitness and health. Big Picture link Key Knowledge link</p> <p>Chemistry - Metals Reactions of metals with acids Constructing the reactivity series Using the reactivity series Metal extraction Metal and non-metal oxides Making copper sulfate. Big Picture link Key Knowledge link</p> <p>Physics – Energy stores & electricity.</p>	<p>Biology - Genetics and Evolution - Classification of animals and plants and the concept of a species. Types of variation. Measuring variation in humans and presenting data. Big Picture link Key Knowledge link</p> <p>Chemistry - Chemical Reactions Conservation of mass Thermal Decomposition Combustion Greenhouse Effect Climate change Big Picture link Key Knowledge link</p> <p>Physics – Electricity & magnetism. Big Picture link Key Knowledge link</p>	<p>Biology - Genetics and Evolution - Causes of variation including inheritance and genetic disorders. DNA and chromosomes. Natural selection and evolution. Extinction. Big Picture link Key Knowledge link</p> <p>Chemistry - Chemical Reactions Exothermic and endothermic reactions Catalysts Ceramics Polymers Composite materials Big Picture link Key Knowledge link</p> <p>Physics – Electricity & magnetism. Big Picture link Key Knowledge link</p>	<p>Working scientifically skills – extended full investigations in B/C/P. WS Content LINK</p> <p>w/c 03/05/2021: Final Assessments of KS3 Science B/C/P knowledge & understanding and scientific skills.</p>	<p>Cell structure Microscopes Specialised cells Tissues, organs & organ systems in animals.</p> <p>Atoms Chemical equations Separating mixtures Fractional distillation and paper chromatography History of the atom Structure of the atom Ions, atoms, and isotopes Electronic structures</p> <p>Energy resources – non-renewable, renewable and energy demands.</p>

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