

# Curriculum map: Science 2023/2024

	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
Yr 7	<ul style="list-style-type: none"> <li>How do scientists carry out investigations?</li> <li>What are particles?</li> <li>What are cells?</li> <li>What are forces and what do they do?</li> <li>Why can we move?</li> </ul>		<ul style="list-style-type: none"> <li>How do organisms reproduce?</li> <li>How can we use electricity?</li> <li>How can we separate a mixture?</li> </ul>		<ul style="list-style-type: none"> <li>How does digestion work?</li> <li>What are acids and alkalis?</li> <li>What's in space?</li> </ul>	
Yr 8	<ul style="list-style-type: none"> <li>What is the periodic table?</li> <li>What is energy?</li> <li>How do plants use light?</li> </ul>		<ul style="list-style-type: none"> <li>How do things get hot?</li> <li>How do we use waves?</li> <li>What is a chemical reaction?</li> </ul>		<ul style="list-style-type: none"> <li>What is an ecosystem?</li> <li>How do organisms pass on characteristics?</li> <li>What is the Earth made of?</li> </ul>	
Yr 9	<ul style="list-style-type: none"> <li>Where do materials come from?</li> <li>What is respiration?</li> <li>What is pressure?</li> <li>How can forces make things move?</li> </ul>		<ul style="list-style-type: none"> <li>How do I breathe?</li> <li>What is in the Earth's atmosphere?</li> <li>How can we use electricity and magnets?</li> </ul>		<ul style="list-style-type: none"> <li>Transition - Health</li> <li>Transition - Atomic structure part 1 &amp; 2</li> <li>Transition - Particle Model</li> </ul>	
	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
Yr 10 Bio	<ul style="list-style-type: none"> <li>What are cells and how do they interact with their environments?</li> <li>Movement of substances</li> <li>How do the digestive system and circulatory system work?</li> </ul>		<ul style="list-style-type: none"> <li>How do diseases affect the body?</li> <li>How do plants make their own food?</li> </ul>		<ul style="list-style-type: none"> <li>What is respiration?</li> <li>How do cells divide?</li> </ul>	

<b>Chem</b>	<ul style="list-style-type: none"> <li>• What is the structure of the atom?</li> <li>• How do we separate a mixture?</li> </ul>	<ul style="list-style-type: none"> <li>• What is the periodic table?</li> <li>• How are atoms bonded?</li> <li>• Reactions of metals</li> </ul>	<ul style="list-style-type: none"> <li>• Reactions of acids</li> <li>• How are metals extracted?</li> </ul>
	<ul style="list-style-type: none"> <li>• How are particles arranged?</li> <li>• What is radioactivity?</li> </ul>	<ul style="list-style-type: none"> <li>• How do we use electricity?</li> <li>• Domestic electricity</li> </ul>	<ul style="list-style-type: none"> <li>• What is energy?</li> </ul>
<b>Phys</b>			
<b>Yr 11</b>			
<b>Bio</b>	<ul style="list-style-type: none"> <li>• How do cells divide?</li> <li>• How do organisms reproduce?</li> <li>• How are genes involved in reproduction?</li> <li>• </li> </ul>	<ul style="list-style-type: none"> <li>• What is homeostasis?</li> <li>• How have organisms evolved?</li> <li>• What is biodiversity?</li> </ul>	
<b>Chem</b>	<ul style="list-style-type: none"> <li>• What are endothermic and exothermic reactions?</li> <li>• What affects the rate of reaction?</li> <li>• What is equilibrium?</li> <li>• How can we test for gases?</li> </ul>	<ul style="list-style-type: none"> <li>• What makes up the Earth's atmosphere?</li> <li>• What is organic chemistry?</li> </ul>	<ul style="list-style-type: none"> <li>• How can we make the most of Earth's resources?</li> </ul>
<b>Phys</b>	<ul style="list-style-type: none"> <li>• What are waves?</li> <li>• How can we use magnets?</li> </ul>	<ul style="list-style-type: none"> <li>• What are forces?</li> <li>• How can we describe motion?</li> </ul>	