

Birch Wood Vale School
Year 9
 Autumn Term 2020
 Curriculum Information



Dear Parents and Carers,

We want to share with you the work being covered by Year 9 this term, so that you can talk to your children about their lessons and support them with any homework. We are looking forward to an exciting and busy term and we hope that the students will enjoy it.

English / Literacy		
Macbeth		<p>Pupils will study characters and their importance within the whole play by understanding their feelings, emotions and motives.</p> <p>Pupils will begin to identify the main themes of the play. They will know who William Shakespeare is and why he is important to English language and literature, they will research the writer's craft.</p> <p>Pupils will begin to understand historical context as well as implicit and explicit information. They will be able to evaluate their work as well as the work of others with self and peer assessment.</p> <p>Within this unit pupils will also have a focus on spelling, punctuation and grammar.</p>
Maths		
<u>Number</u>		Review number skills including writing numbers in words, counting in 2's, 3's etc, rounding and place value.
<u>Using operations</u>		Using the 4 operations including addition, subtraction, multiplying and division with HTU.
<u>Time and Fractions</u>		Being able to identify fractions and represent fractions and using these skills to support telling the time using an analogue clock. To be able to tell the time using an analogue and digital clock.
<u>Money and decimals</u>		To identify coins and select correct coins when paying for items. To calculate change required. To use decimals notation when working with money.
Science	Entry Level Certificate practical's	<p>Understand how a problem can be investigated and identify equipment needed</p> <p>Describes how to use equipment to produce results</p> <p>Make a prediction about the outcome</p> <p>Make simple measurements</p> <p>Show recognition for results to be meaningful</p> <p>Understand how to work safely</p> <p>Records results from experiment</p>

Birch Wood Vale School
Year 9
 Autumn Term 2020
 Curriculum Information

	<p>The world and the microscope</p> <p>Animal and plant cells</p> <p>Diffusion</p> <p>Osmosis</p> <p>Active transport</p> <p>Atoms</p> <p>Chemical equations</p> <p>Separating mixtures</p> <p>Fractional distillation Paper chromatography</p>	<p>Selects appropriate method of displaying data States what has been found out and describes simple relationship in results</p> <p>The difference in magnification and resolution between a light microscope and an electron microscope How to calculate the magnification, real size, and image size of a specimen</p> <p>The main parts of animal cells The similarities and differences between plant and animal cells</p> <p>How diffusion takes place and why it is important in living organisms What affects the rate of diffusion</p> <p>How osmosis differs from diffusion Why osmosis is so important in animal cells</p> <p>How active transport works The importance of active transport</p> <p>The definition of an element The basic structure of the Periodic Table</p> <p>What happens to the atoms in a chemical reaction? How to write balanced symbol equations, including state symbols, to represent reactions</p> <p>What is a mixture? How to separate the components in a range of mixtures by: Filtration Crystallisation Simple distillation</p> <p>Why fractional distillation is needed to separate some liquids How fractional distillation works How paper chromatography works</p>
Art and Design	Batch producing a pinball game	Over the year KS3 will rotate between Art and Design this term Yr9 will be studying Design: Students will explore jigs and templates in order to learn how to produce a pinball game using batch production. This will aim to develop a range of hand tools skills, knowledge of material properties and further explore CAD/CAM.
Cookery	Revisiting kitchen safety Cooking with eggs and pastry.	Students will revisit kitchen safety. Moving onto cooking with eggs and sourcing responsibly. Moving onto developing their pastry making skills. Emphasis will be on healthy eating.

Birch Wood Vale School
Year 9
 Autumn Term 2020
 Curriculum Information

PSHEC	Relationships	Students will learn to understand their emotions and feelings, and begin to process the experiences they have had. They will rebuild relationships and re-learn how to interact positively with others. Young people will be supported to engage with self-regulation strategies, which will help them to feel safe and calm.
	Community	Students will learn to understand the world we are now living in and to equip them with tools and strategies to help them process what is different and what we can do to help. To re-learn the routines and structures of the school community.
	Learning to Learn	Students will be given the opportunity to rebuild and re-skill themselves as learners in order to regain their confidence in learning.
	Well-being	We will support our students to explore their feelings, emotions and sense of well-being. This will enable them to acknowledge, accept and feel secure and positive in the world we now live in.
Performing Arts	Feelings & Emotions	Students will complete a project on different genre of music and discovering if they like it or not, talking about feelings , how it makes us feel and what it sounds like. Students will then complete a project where they can explore their imagination and express feelings by doing so.
RE	Philosophical Beliefs	Students will focus on wider world issues such as life, death, and miracles etc., some of which have a foundation in religious beliefs. Students will use their foundation of knowledge to ask and respond to bigger questions about the world and the issues within it. They will be able to use their basic knowledge about beliefs and practices to assess ethical and philosophical issues in the modern world, and will use this knowledge to form reasoned arguments
Computing	E-safety	Students will be focusing on how to stay safe when online. They will be looking at different social media sites and developing knowledge on the importance of keeping information private and being safe. Students will also be looking into how the Internet has its advantages and disadvantages.
	Creative Media	Students will develop a number of skills in creating a range of graphics and media on the computer, Students will be making and changing images using Photoshop, making webpages and graphics. Students will also develop and compare a range of graphics such as DVD covers, gaming covers, websites and many more.
PE	<u>Net Games</u>	Students are playing tennis this half term with Melton Tennis club coaches, on the tennis courts, learning the skills and rules of tennis. Students will develop skills such as bat and ball control, sportsmanship and teamwork. The unit will also provide students opportunities to take further roles as leaders, coaches and officials.

Birch Wood Vale School
Year 9
 Autumn Term 2020
 Curriculum Information

	<u>Health related fitness</u>	Students will be learning about various components of fitness through experiencing different methods of training and exercise. Students will also be learning about and undergoing fitness testing.
Humanities	Locational Knowledge	World's Continents World's Oceans Characteristics of countries in the UK Characteristics of the cities in the UK Characteristics of the surrounding seas World's countries focusing on Africa Environmental regions of the World's countries

Useful websites: BBC Bitesize KS3
My Maths

We are pleased to help you with any questions you may have about your child.