

11M Spring Term Curriculum Overview

This term pupils will be studying the following topics in their KS4 curriculum.

Subject	Topic
Literacy	The group will study poetry this term. They will create a digital poem booklet showcasing their new found knowledge of poems and their own creations.
Numeracy	The group will continue to follow the school's mathematics curriculum working on fractions and measurements of physical items working on length, height and weight.
Computing	<p>This term the class will focus on Data Representation. They will learn that computers can only process data in the form of Binary Numbers. All students will learn to read and convert Binary numbers. Other areas covered in this topic will also include Databases, and Data Measurement.</p> <p>Later in the term the class will focus on Information Technology. They will learn how to use Microsoft Office programs to create, store and retrieve digital documents.</p> <p>These activities help them prepare evidence for a WJEC Personal Progress accreditation.</p>
Science	<p>During this Spring term 11M will learn materials and investigate the nature and uses of everyday materials. Pupils will study the following topics.</p> <ul style="list-style-type: none"> • Floating materials – to learn about floating materials and their uses. • Magnetic materials- to learn about nature and uses of magnets. • Insulating materials- to learn about insulating materials and the benefits of home insulation • Conducting materials- to know that materials can conduct heat and electricity and their uses. • The structure of the earth and Earth materials – to learn about the structure of the earth and the 3 main types of rocks(sedimentary, metamorphic and igneous rocks) and their uses in daily life. • Recycling materials – to learn about things that we can recycle and why it is important to for us to recycle materials at home. <p>Pupils can visit websites e.g. http:// www.BBC Bitesize/ Science/ chemistry to support their learning at home,</p>
Humanities	In the first half term we will be learning about River landforms; valleys and hills, waterfalls, mouth and meanders. In the

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	second half term we will be learning to recognise weather types and how to dress appropriately.
Food Tech	In the first half of this term Students will be exploring how to use a variety of seasonal ingredients to create different soups to be enjoyed in cold winter weather. Pupils will create their own recipes based on ingredients they like. In the second half of this term students' will work on a cake design project and have the opportunity to develop their creative skills and learn basic cake icing techniques.
Art	The theme for this term is Myself. Pupils will be encouraged to practise writing their names and trying out different writing styles, creating patterns and adding hobbies and interests. Exploring facial features and expressions. Looking at how to sketch face shapes adding shading to create light and shadow. Experiment with colours, pastels and mixing poster paints sharing their ideas about how we see ourselves. Create a self-portrait selecting favourite art materials.
Drama	Pupils will build on current and develop new drama skills including teamwork, devising, improvisation and performance. The pupils will also build on their current drama skills with role play and characterisation work using poetry as a basis for securing knowledge, skills and new learning.
Music	Students will explore different ways to compose and perform melodies, using a range of instruments and techniques including graphic scoring. Students will also develop an understanding of how to read and write tablature (TAB) for ukulele, also using music software Garageband and Ableton Live, exploring ways to trigger audio samples and loops.
PE	<p>The pupils will be refining the gymnastic skills they worked on last year, throughout the term, focusing on the 6 elements of balancing, rolling, travelling, flight, jumping and climbing.</p> <p>They will put these into a short sequence which they will display to their peer group.</p> <p>They will continue to develop their use of positive language to critique the performance of others. In addition pupils will experience and take part in rebound therapy too.</p> <p>Pupils will also take part in health related exercise and continue to continue to learn about basic physiological functions of the body.</p>

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	<p>The pupils will continue with their programme of swimming as last term.</p>
Play Skills	<p>This term students will explore play as a means of social interaction, creative thinking and how play helps them to make sense of the world around us all. We will continue to focus on the rules we need to follow in games and activities and maintain their awareness of 'winning and losing' and how to adapt to it.</p>
Yoga	<p>This term, we will be developing Mindfulness techniques through the MindUP scheme of work. We will be 'sharpening our senses' through a range of differentiated activities, including: mindful listening, mindful seeing, mindful smelling, mindful tasting and mindful movements. Through these activities, we will use sensory experiences to improve our attention, memory, problem solving, creativity and physical performance.</p> <p>We will continue to develop our core strength, balance and flexibility through different sequences of asanas (poses). Each lesson will incorporate different breathing techniques to strengthen, energise and calm the nervous system. We will be working towards increasing the amount of relaxation at the end of each lesson.</p>
Enterprise	<p>Students will be working in the patio garden to grow fruit and veg to sell to staff and members of the public. We will focus on processes such as the different steps in the growing process and how we can make what we grow attractive to buyers. We will continue to develop fine and gross motor skills, autonomy and independence, and team work skills. Students will also be given more responsibility by becoming team managers in charge of supervising their group.</p>