

Spring term - Curriculum Overview

Year 7

CORE

English	<p>An introduction to narrative writing covering narrative concepts such as:</p> <ul style="list-style-type: none"> Structuring narratives Character archetypes classical texts for character arcs 	<p>An introduction to narrative writing will also cover covering types of narratives such as:</p> <ul style="list-style-type: none"> Re-birth Rags to Riches Voyage and Return Overcoming the monster The Quest
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Mathematics	<p>Number Properties, focusing on:</p> <ul style="list-style-type: none"> Square and cube numbers Factors, multiples and primes Product of primes Highest Common Factors and Lowest Common Multiples Rounding, bounds and Estimation 	<p>Expressions and sequences focusing on:</p> <ul style="list-style-type: none"> Substitution Collecting like terms Expanding brackets Sequences and the nth term
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Science	<p>In the spring term pupils continue to work through the different areas of Science - biology, physics, and chemistry - on rotation to help us share specialist equipment. However they follow the same sequence for each aspect of Science and so their second units this year will focus on the following:</p>	
Biology	<p>Structure & functions of the body system The unit begins with looking at <i>what is in food</i> Followed by <i>the digestive system and bacteria in the digestive system</i>. It also looks at other key functions of the body including: <i>The lungs, Breathing, the skeleton and Joints and muscles</i>.</p>	
Chemistry	<p>Periodic table. This will introduce key knowledge areas that include: <i>The periodic table, properties of metals, properties of non-metals and elements</i>.</p>	
Physics	<p>Energy. In this module, the following key topics will be explored: <i>Energy changes, conservation of energy, thermal radiation, elastic potential energy, renewable and non-renewable energy</i>.</p>	

History	<p>The Year 7 Spring term addresses the following key questions in History:</p> <ul style="list-style-type: none"> How far did the normans change England? Why could no one ignore the power of the church? Why did Henry and Becket's quarrel turn bitter and fatal? Did towns free people? Was King John truly the "worst King of England"? 	
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Geography	<p>The first half of the Spring term looks at Population and the key question, can we solve the problem of overpopulation?</p> <ul style="list-style-type: none"> Population change Population distribution and settlement factors Migration Urbanisation 	<p>In the second half of the Spring term, pupils work on a unit entitled Economy Vs Environment - Are we risking our natural world in order to make money? They will explore knowledge areas that include:</p> <ul style="list-style-type: none"> Rainforests Antarctica Tourism Hydrocarbons
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WORLD

Spanish	<p>Family and Friends is our topic for the Spring term. Pupils will learn vocabulary and explore language needed to speak, write, listen, and read about:</p> <ul style="list-style-type: none"> Family members Pets and animals Descriptions Personality 	<p>Grammatical and linguistic focus. In exploring this topic, pupils will learn the following key knowledge:</p> <ul style="list-style-type: none"> Introduction to possessive pronouns Common regular/irregular verbs Present tense of 'ser' Adjectival agreements Adverbs of frequency Qualifiers
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French	<p>School is our topic for the Spring term. Pupils will learn vocabulary and explore language needed to speak, write, listen, and read about:</p> <ul style="list-style-type: none"> School subjects Clothes and uniform School Day Seasons/holidays Days of the week School facilities 	<p>Grammatical and linguistic focus. In exploring this topic, pupils will learn the following key knowledge:</p> <ul style="list-style-type: none"> Basic adjectival agreements Qualifiers Present tense er' verbs Basic opinions Key connectives
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Religious Studies	<p>The spring term has a focus on the topic, Wise words which explores Judaism. Areas of key knowledge to be explored include:</p> <p><i>Where can we look for wisdom today?</i></p> <p><i>The Torah</i></p> <p><i>Synagogue</i></p> <p><i>Moses</i></p> <p><i>Abraham</i></p> <p><i>Talmud</i></p>
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To provide extended time to develop, plan, create, and evaluate projects in the technical disciplines, these subjects are delivered on a rotation basis and consequently, will be taught in different sequences. We have, however, outlined the first projects taken in each discipline below to give an overview of the content that will be covered during Year 7.

TECHNICAL

Design Technology	<p>Electronics. Pupils are introduced to electronics. <i>They learn to identify a client, as well as basic electronics including inputs, LED's, resistors and switches. Students are introduced to electronic circuits and soldering to create a functioning night light. They implement a range of hand tools to create a base for their product using resistant materials. Students carry out CAD work using 2D design to develop their light frame and CAM using a laser cutter, to manufacture.</i></p>	<p>Textiles. Sustainability and the re-useable Shopping Bag. <i>An introduction to the Core Technical Principles through Textiles, including fabrics, surface decoration and aesthetics. Considering sustainability and reusing products, students implement a range of skills using sewing machines and hand stitching techniques to produce a marketable product.</i></p> <p>Graphics. Developing games. <i>Learning is based around the techniques of designing and communicating ideas, working with the Core Technical Principles of Paper and Board. Creativity and innovation are used to develop a board game of their choice. This is then created and tested.</i></p>
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Computer Science	<p>Programming and computational thinking - key knowledge includes:</p> <p><i>Decomposing a game</i></p> <p><i>Programming and pseudo code.</i></p> <p><i>Testing</i></p> <p><i>Flowcharts</i></p>	<p>Your computing licence - using ICT equipment safely and securely. Key knowledge includes:</p> <p><i>Passwords, networks, and security</i></p> <p><i>Folder systems and structures</i></p> <p><i>Staying safe online</i></p> <p><i>Manipulating images</i></p>
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Food Technology	<p>As part of a rotation within the PE curriculum, children will carry out a Food Technology at some stage in the academic year. This will ensure they can:</p> <p><i>understand and apply the principles of nutrition and health</i></p> <p><i>become competent in a range of cooking techniques</i></p> <p><i>understand the source, seasonality and characteristics of a broad range of ingredients</i></p>
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Art	<p>After finishing Still Life - looking at the following knowledge and skill areas:</p> <p><i>Mastering biro cross hatching techniques</i></p> <p><i>Exploring surface texture and tone</i></p>	<p>Pupils move on to look at Perspective:</p> <p>This work has a focus on 15th Century - present and includes the work of Leonid Afremov.</p> <p>Pupils will work on the following knowledge and skill areas:</p> <p><i>Mastering the illusion of depth</i></p> <p><i>Exploring 3D shapes with one point perspective</i></p> <p><i>Exploring 3D lettering with one point and two point perspective</i></p>
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PERFORMANCE

Physical Education	<p>PE groups participate in different sports and activities on a rotation. Year 7 sports will involve a range of activities that include: football, cross country, netball, dance, table tennis, rounders, cricket and Athletics.</p> <p>The key focus of skills across these disciplines include:</p> <p><i>Accurate replication</i></p> <p><i>Outwitting Opponents</i></p> <p><i>Food & Nutrition</i></p> <p><i>Performing at max levels</i></p> <p><i>Striking and fielding</i></p>
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Drama	<p>In the Spring term year 7 will apply concepts from the Autumn term to a performance entitled Darkwood Manor, which also seeks to develop verbal and group performance by further developing the skills delivered in the Autumn term.</p> <p>Areas explored are:</p> <p>Characterisation</p> <p>Soundscape</p> <p>Responding in role</p>	<p>In the Spring term year 7 will also look An introduction to script and developing characters. Key skills and areas of knowledge include:</p> <p><i>Storytelling</i></p> <p><i>Narration</i></p> <p><i>Dialogue</i></p> <p><i>Status</i></p> <p><i>Stereotypes</i></p>
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Year 7 begin the Spring term withan **Understanding Melody** unit.

Key knowledge includes:

Notes on a Keyboard

Music notation

C major scale

The second unit entitled **Elements of Music** builds in further practical work to introduce children to composition and performance. The key aspects are:

Rhythm composition

Rhythm performance