

7E Summer Term 2017 Curriculum Overview

This term pupils will be studying the following topics in their KS3 curriculum.

Subject	Topic
Literacy	Pupils will attempt to read from a range of books, power points, interactive white board (IWB) books and group books. Students will be able to take the information in the book and use it to help them create their own posters, leaflets and books aiding the understanding of the purpose of books both for reading, writing for pleasure and information.
Numeracy	<p>These units form part of a rolling programme of mathematics for students at Highshore. The curriculum revisits topics and skills on a regular basis throughout the Key Stage. Through the activities pupils will attempt to understand and use words relating to:</p> <ul style="list-style-type: none"> • counting, partitioning and calculating • securing number facts, understanding shapes • handling data and measures <p>Students should be encouraged to use maths in a real life context.</p>
ICT	<p>Students will learn how to retrieve, evaluate and organize digital content using a variety of software applications.</p> <p>In the second half of the term students will study Hardware and Processing and come to understand how a range of digital devices can be considered a computer. In addition students will learn about different types of Computer Systems.</p>
Science	<p>This term Year 7 will be learning about LIGHT and SOUND. They will do the following topics:</p> <ul style="list-style-type: none"> • LIGHT: Nature and properties of light (reflection, refraction and diffraction). Colours of visible light. <i>The human eye</i> - how we see objects, the role of lens and comparison of camera vs eye. Common eye defects. Uses of light e.g. laser beams, photosynthesis. <i>Seasonal changes</i> – nature and cause due to movement of the earth around the earth on its tilted axis. <i>Mirrors</i> - types of mirrors (plane, concave and convex), and uses including periscopes, solar mirrors. <i>Our solar system</i> and rotation and revolution of the earth. • SOUND: Nature of sound (amplitude, wavelength, pitch, frequency,). <i>Properties of sound</i> - reflection - echo). How to measure the speed of sound.

	<p>Differences between sound and light waves, and that light travels faster than sound. <i>Uses of sound</i> e.g. echo location, mosquito device and use of <i>ultra sound</i> in hospital scans and industrial cleaning. <i>Sound pollution</i> - comparing loudness in decibels. Noise and its effects.</p>
Humanities	<p>Throughout the summer term, we will be learning about Ancient Greece. We will be using maps and finding out about daily life, homes and families, battles, buildings, gods and goddesses and the beginnings of the Olympic games. We will be using a timeline to help develop our understanding of the past. We will be looking at the similarities and differences between Greece and the UK.</p>
Food Tech	<p>Year 7's will be using the Microwave and Oven to bake a number of cakes and Buns. They will then compare the two and be able to make informed choices when baking. They will also be made to adopt safe practise whilst using kitchen appliances.</p>
Craft	<p>Following on from last terms work (castles), pupils will continue to produce knights, dragons to furnish their castles. Other pupils will continue their crafting skills using cardboard and paper mache to produce a mobile which features rockets, planets and stars.</p> <p>Some pupils will work on individual projects which will include simple automata, e.g. Barking dog, flying pig.</p>
PSHE	<p>This term pupils will continue developing their self –confidence, understanding their responsibilities and making the most of their abilities by learning new life skills.</p> <p>Developing a healthy, safer lifestyle - Personal Hygiene. Students will be learning about the importance of personal hygiene and different equipment to keep clean. Lessons would involve: learning the steps of washing hands and the reasons why we have to wash them and learning the correct techniques of brushing teeth. They will also explore topics related to puberty and the changes teenagers go during this sensitive time.</p>
Art	<p>This term we will be exploring how to make simple picture books, book covers, look at stories and make up our own. We will be experimenting and developing a variety of art skills including sketching, painting colour theory, collage and mixed media.</p>

Drama	Folk and fairy tales. Students to act and devise scenes from traditional European and world folk tales. We will look at archetypes in stories and how to portray them, also using paired work to do leader and follower tasks and 'casting spells. We will also look at how to use lighting, sounds and music to help develop our performances.
Music	Song writing/Film Music: Exploring different ways in how to create a piece of music to accompany a short film, through improvising and composition.
PE	<p><u>First half-term:</u> The pupils will learn the basic skills and rules of cricket and tennis.</p> <p><u>Second half-term:</u> The group will take part in athletic activities and work towards sports day events.</p>