

KS3 - IT Curriculum Map: Session 1 2022-23

Year 7 will have one lesson per week over a period that will extend to half the academic year. The content of study this session is to introduce students to the school network and re-enforce issues about staying safe online. Students will also learn how to code HTML by writing syntax to create web pages

Curriculum Content: Autumn Term	Assessment	Homework Areas	Extended Learning opportunity
<p>Key questions: What is E-safety? How do I stay safe online? What are the main dangers of using the Internet? What is the digital footprint and why is it important to know about this? How do I know how if information can be trusted? How are web pages created and displayed</p>	<p>Assessments will be given part way through the term when content has been covered</p>	<p>Homework will be set every once in the term</p> <p>The feedback for the homework will be given and pupil will be expected to correct their errors.</p>	<p>Extended learning tasks will consist of enhancing knowledge that the pupil has been introduced to and researching independently around the topic.</p>
<p>Content covered:</p> <ul style="list-style-type: none"> • Understand what are the main issues around cyberbullying • Know how to prevent issues surrounding sexting • Understand what is the digital footprint and what might the consequences be in the future • Know how to create web pages using HTML and tags 			
<p>Literacy and numeracy: E-Safety – Cyberbullying, Sexting, Digital Footprint, Scam, Validity, Reliability, Revenge Porn, HTML, Syntax, Tags Workbook – How to write and present written information using good literacy skills</p>			
<p>Additional resources and details of core texts used: There is no core book to accompany these topics though associated materials can be found on the internet</p>			
<p>Teaching group arrangements Teaching groups come to ICT based on their Maths groupings.</p>			
<p>Who should you contact if you have any query about the subject: In the first instance we would encourage you to get in touch with the subject teacher – the student planner may be one way of communicating. You may also wish to contact the Curriculum Leader for the subject which is Mr Qureshi who will also be able to help you.</p>			

KS3 - IT Curriculum Map: Session 2 2022-23

Year 7 will have one lesson per week over a period that will extend to half the academic year. The content of study this session is to introduce students to the basics of programming using a visually themed approach.

Curriculum Content: Autumn Term	Assessment	Homework Areas	Extended Learning opportunity
<p>Key questions: What are the main constructs of programming? What do computers need to make them do something? How is data stored in programs? What is a control loop and why are they important?</p> <p>Content covered:</p> <ul style="list-style-type: none"> • Understand that computers react to instructions given • Know the importance of using variables in programs • Know how to create control loops to repeat instructions • Know how to set conditions in programs 	<p>Assessments will be given part way through the term when content has been covered</p>	<p>Homework will be set every once in the term</p> <p>The feedback for the homework will be given and pupil will be expected to correct their errors.</p>	<p>Extended learning tasks will consist of enhancing knowledge that the pupil has been introduced to and researching independently around the topic.</p>
<p>Literacy and numeracy: E-Safety – Scratch, Stage, Sprites Workbook – How to write and present written information using good literacy skills</p>			
<p>Additional resources and details of core texts used: There is no core book to accompany these topics though associated materials can be found on the internet</p>			
<p>Teaching group arrangements Teaching groups come to ICT based on their Maths groupings.</p>			
<p>Who should you contact if you have any query about the subject: In the first instance we would encourage you to get in touch with the subject teacher – the student planner may be one way of communicating. You may also wish to contact the Curriculum Leader for the subject which is Mr Qureshi who will also be able to help you.</p>			

KS3 Year 7 – All about business Curriculum Map: Session 3 2022-23

Year 7 will have one lesson per week over a period that will extend to half the academic year. The content of study this session is to introduce pupils to introduce students to computer hardware and components.

Curriculum Content: Session 1	Assessment	Homework Areas	Extended Learning opportunity
<p>Key questions:</p> <ul style="list-style-type: none"> • What is a computer? • What is the difference between HW and SW? • What are the key components inside a computer? • How do computers work? • How do the components work together? 	<p>Assessments will be given at some stage during the term</p> <p>Assessment will be sat during lesson 5, this will consist of a knowledge test based on key terms and theory.</p>	<p>Pupils will be given a homework worksheet in the term to complete and bring back into class.</p>	<p>Extended learning tasks will consist of enhancing knowledge that the pupil has been introduced to and researching independently around the topic.</p>
<p>Content covered:</p> <ul style="list-style-type: none"> • Understand the role of the CPU • Know what main memory is and the role of the RAM • Understand the role of the hard drive • Know what the definition is of a computer • Can recognise some of the main input & output devices 			
<p>Literacy and numeracy: Key terms: Hardware, processing, clock speeds, capacity, RAM, CPU, instructions, Memory Numeracy: GHz, MHz,</p>			
<p>Additional resources and details of core texts used: There is no core book to accompany these topics though associated materials can be found on the internet PowerPoint template to complete as research booklet, homework sheet, websites including BBC Bite size, Tutor 2u</p>			
<p>Teaching group arrangements Teaching groups for these classes are of mixed ability.</p>			
<p>Who should you contact if you have any query about the subject: In the first instance we would encourage you to get in touch with the subject teacher – the student planner may be one way of communicating. You may also wish to contact the Curriculum Leader for the subject which is Mr Qureshi who will also be able to help.</p>			