

## KS3 Year 8 - Curriculum Map: Session 1 2022-23

Year 8 will have one lesson per week over a period that will extend to half the academic year. The content of study over the session will focus on how businesses operate and the main terminology. This will give students an experience of what would be studied at KS4 if they chose this as an option.

<b>Curriculum Content: Autumn Term</b>	<b>Assessment</b>	<b>Homework Areas</b>	<b>Extended Learning opportunity</b>
<p><b>Key questions:</b>  <u>Business</u>            What is a business?            What is an entrepreneur?            What are enterprise skills?            What are the different business structures?</p>	<p>An assessment will be completed at the end of the session</p>	<p>Pupils will be given a homework during the term that they will be expected to complete and hand in</p>	<p>Extended learning opportunities will exist which will be based on the progress of each individual pupil in the work they are doing.</p>
<p><b>Content covered:</b></p> <ul style="list-style-type: none"> <li>• How are businesses started</li> <li>• Who starts businesses and why?</li> <li>• Qualities and skills needed to be an entrepreneur</li> <li>• Sole trader, partnerships, franchises</li> <li>• Private and public limited businesses</li> </ul>			
<p><b>Literacy and numeracy:</b>  <b>Key terms:</b> Enterprise, entrepreneur, innovation, goods, service, social enterprise</p>			
<p><b>Additional resources and details of core texts used:</b>            There is no core book to accompany these topics though associated materials can be found on the internet and on the Common Drive  <a href="#">PowerPoint template to complete as research booklet</a>, <a href="#">homework sheet</a>, <a href="#">websites including BBC Bite size</a>, <a href="#">Tutor 2u</a> and <a href="#">Business dictionary</a></p>			
<p><b>Teaching group arrangements</b>            Teaching groups for these classes are of mixed ability.</p>			
<p><b>Who should you contact if you have any query about the subject:</b>            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>			

## KS3 - IT Curriculum Map: Session 2 2022-23

Year 8 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 an high-level programming language.

Curriculum Content: Autumn Term	Assessment	Homework Areas	Extended Learning opportunity
<p><b>Key questions:</b>            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>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><b>Content covered:</b></p> <ul style="list-style-type: none"> <li>• Understand that computers react to instructions given</li> <li>• Know the importance of using variables in programs</li> <li>• Know how to create control loops to repeat instructions</li> <li>• Know how to set conditions in programs</li> </ul>			
<p><b>Literacy and numeracy:</b>  <b>E-Safety</b> – Variables, Syntax, IF Statements, Loops, Iteration, Sequential, Selection, Input  <b>Workbook</b> – How to write and present written information using good literacy skills</p>			
<p><b>Additional resources and details of core texts used:</b>            There is no core book to accompany these topics though associated materials can be found on the internet</p>			
<p><b>Teaching group arrangements</b>            Teaching groups come to ICT based on their Maths groupings.</p>			
<p><b>Who should you contact if you have any query about the subject:</b>            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 3 2022-23

Year 8 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 some of the main people in history that have had the main influence on modern computing.

<b>Curriculum Content: Autumn Term</b>	<b>Assessment</b>	<b>Homework Areas</b>	<b>Extended Learning opportunity</b>
<p><b>Key questions:</b>            What forms the basis of modern computing technology?            When and why was the WWW created?            What is the importance of encryption and how has it been used?            What is the importance of logic gates?</p>	<p>An assessment will be given at the end of the topic</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><b>Content covered:</b></p> <ul style="list-style-type: none"> <li>• Can recognise the influence that some famous people in the past has had on modern life</li> <li>• Know how web pages are displayed</li> <li>• Know different ways to encrypt data</li> </ul>			
<p><b>Literacy and numeracy:</b>  <b>E-Safety</b> – HTML, Encryption, WWW, Logic Gates, Boolean  <b>Workbook</b> – How to write and present written information using good literacy skills</p>			
<p><b>Additional resources and details of core texts used:</b>            There is no core book to accompany these topics though associated materials can be found on the internet</p>			
<p><b>Teaching group arrangements</b>            Teaching groups come to ICT based on their Maths groupings.</p>			
<p><b>Who should you contact if you have any query about the subject:</b>            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>			