

## YEAR 7 COMPUTING CURRICULUM

	Half Term 1	Half Term 2	Half Term 3	Half Term 4	Half Term 5	Half Term 6
<b>Unit Title</b>	E-safety	Data Representation	Binary	Python programming	Spreadsheets	Logic Gates
<b>Overview</b>	Understand how to stay safe on the internet, and the dangers that can occur when using a computer.	Understand the different ways of representing data through graphics, sounds and text.	Understand how to use two different methods to convert denary numbers to binary, convert binary numbers back to denary and how to perform binary addition.	Understand the basics of writing simple one line programs through to using IF...Else and Elif.	Understand how to enter and format data, complete calculations, create graphs and use data to make predictions.	Understand Boolean logic, AND, OR and NOT logic gates and their corresponding truth tables and be able to apply learning to simple IF ...THEN programming statements.
<b>Assessment</b>	E-safety assessed through end of topic work sheets.	Assessment through class based activities and end of unit assessment.	Assessment through class based activities and end of unit assessment.	Assessment through class based activities and end of unit assessment.	Assessment through class based activities and end of unit assessment.	Assessment through class based activities and end of unit assessment.

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## YEAR 8 COMPUTING CURRICULUM

	Half Term 1	Half Term 2	Half Term 3	Half Term 4	Half Term 5	Half Term 6
<b>Unit Title</b>	Computer Hardware	Networks	Internet	HTML	Website design	
<b>Overview</b>	Develop understanding of computer hardware.	<p>Understand the need for networks, types and topologies.</p> <p>Understand how data is transferred around a network</p> <p>Understand the software required in a network</p>	<p>Understand how the World Wide Web is connected, and the difference between the Internet and WWW.</p> <p>Understand how information is broken down and transferred over the internet.</p> <p>Use specific software to create a video about the Internet.</p>	<p>Understand some HTML coding and how websites are produced.</p> <p>Use specific software to create a website using HTML</p>	<p>Further develop HTML coding and how websites are produced.</p> <p>Using specific software to create a website that is fit for purpose and audience.</p>	
	Computer Hardware booklet and end of unit	End of unit assessment	Through the creation of the video. End of unit assessment	Assessed through worksheets throughout the unit. End of unit assessment –	Assessed through worksheets throughout the unit.  Assessed through the website that has been created using specific software	

<b>Assessment</b>	assessment  Through assessments of worksheets given, self evaluating work	Through assessments of worksheets given, self evaluating work	Through assessments of worksheets given, self evaluating work	creation of a website using HTML.	taught.
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NB, There will be some overlap with units of work continuing / finishing during the following half term

## YEAR 9 COMPUTING CURRICULUM

	Half Term 1	Half Term 2	Half Term 3	Half Term 4	Half Term 5	Half Term 6
<b>Unit Title</b>	Pre-Production theory preparation for Creative iMedia course  Video creation  Website design				Unit R087 – Creating an Interactive Multimedia Product.	
<b>Overview</b>	Students learn about a variety of pre-production documents, including moodboards and mind maps	Students learn the skills needed to create a video for an advert	Students continue to develop knowledge of pre-production, specifically visualisation diagrams. There is a focus throughout on the importance of purpose and audience	Introduction to Serif WebPlus. Students learn the skills needed to create an interactive website in preparation for their first unit of work	Students will plan and create an interactive website based on the coursework scenario given by OCR.	
	Through exam	Through the	Through exam	Through work in	Through portfolio of evidence graded	

<b>Assessment</b>	questions from past exam papers. From teacher and self assessment in the classroom	creation of an appropriate video	questions from past exam papers. From teacher and self assessment	the classroom to create a website. Through self and peer assessment.	according to the exam board's criteria.
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### YEAR 10 ICT / COMPUTER SCIENCE / BUSINESS CURRICULUM

	Half Term 1	Half Term 2	Half Term 3	Half Term 4	Half Term 5	Half Term 6
<b>Unit Title</b>	<p><b>Core Lessons:</b></p> <p>OCR Cambridge Nationals Creative iMedia</p> <p>TLM Certificate in Open Systems and Enterprise</p> <p><b>Option Subjects:</b></p> <p>AQA GCSE Computer Science</p> <p>BTEC Business Studies</p>					
<b>Overview</b>	Courses of study are designed to enable all students to achieve based on Core and / or Option choices.					
<b>Assessment</b>	All courses are continuous assessment for students to move on in their coursework / exam units of work. All courses run through years 10 and 11. Students to achieve a GCSE or equivalent at the end of year 11.					

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**YEAR 11 ICT / COMPUTER SCIENCE / BUSINESS CURRICULUM**

	Half Term 1	Half Term 2	Half Term 3	Half Term 4	Half Term 5	Half Term 6
<b>Unit Title</b>	<p><b>Core Lessons:</b></p> <p>OCR Cambridge Nationals Creative iMedia</p> <p>TLM Certificate in Open Systems and Enterprise</p> <p><b>Option Subjects:</b></p> <p>AQA GCSE Computer Science</p> <p>BTEC Business Studies</p>					
<b>Overview</b>	<p>Courses of study are designed to enable all students to achieve based on Core and / or Option choices.</p>					
<b>Assessment</b>	<p>All courses are continuous assessment for students to move on in their coursework / exam units of work. All above courses run through years 10 and 11. Students to achieve a GCSE or equivalent at the end of year 11.</p>					