

Year 7 Curriculum Overview [2022-2023]
Subject – Computing

Knowledge & Understanding			Literacy Skills	Employability Skills	Assessment Opportunities
Composites	Components [includes understanding of KEY concepts & subject specific vocab]	Formal Retrieval [if any]	Opportunities for developing literacy skills	Skills [if any]	
Half Term 1 and 2 (6 lessons) – Impact of Technology					
<i>National Curriculum Links – 3.1, 3.3, 3.7, 3.8, 3.9</i> <i>Taxonomy Strands – AL, ET, SS CM, DI, DD, ET</i> <i>Computing Strands – DL, IT, CS</i> <i>Education for a Connected World – 2, 3, 4, 7</i>		<i>Resources</i> Lessons			
<i>Hardware and software required</i> <i>School email account</i> <i>Presentation software with built-in online collaboration tools (eg Google Slides)</i>		<i>Additional Resources</i> www.youtube.com/watch?time_continue=20&v=opRMrEfAlil&feature=emb_logo www.ncsc.gov.uk/cyberaware/home www.security.org/how-secure-is-my-password www.youtube.com/watch?v=OBq2YYV3Bts&feature=emb_logo www.thinkuknow.co.uk/11_13/help/CEOP		www.childline.org.uk www.thinkuknow.co.uk/11_13/help/Contact-social-sites www.anti-bullyingalliance.org.uk www.bullying.co.uk/cyberbullying www.ditchthelabel.org	
<ul style="list-style-type: none"> • Networks • School systems 	<ul style="list-style-type: none"> • School network drives • Cloud storage and Office 365 • Passwords and security • Online safety 	<ul style="list-style-type: none"> • E- safety • Files and Folders • Acting responsibly online 	<ul style="list-style-type: none"> • Writing instructions • Skim reading • Key words 	<ul style="list-style-type: none"> • Using online tools • Online safety • Presenting information 	<ul style="list-style-type: none"> • Creating and handing in a piece of work online. • Assessment grid
<ul style="list-style-type: none"> • Using the Internet 	<ul style="list-style-type: none"> • Web browsers • Search engines • Reliability of information sources • E-Safety • Computational Thinking 	<ul style="list-style-type: none"> • E- safety • Hardware and Software 	<ul style="list-style-type: none"> • Annotating • Short and extended verbal responses • Listening for key information 	<ul style="list-style-type: none"> • Working independently • Effective searching • Collaboration 	<ul style="list-style-type: none"> • Presentation • Assessment grid • Summative assessment

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Half Term 3 and 4 (6 lessons) - Data Modelling					
<i>National Curriculum Links – 3.1, 3.7, 3.8, 3.9</i> <i>Taxonomy Strands – AL, DI, ET, PG</i> <i>Computing Strands – DL, IT, CS</i> <i>Education for a Connected World – 7, 8</i>		<i>Resources</i> Lessons			
<i>Hardware and software required</i> <i>Spreadsheet software (eg Google Sheets or Microsoft Excel)</i> <i>Online form creator (eg Google Forms or Microsoft Forms)</i>		<i>Additional Resources</i> en.wikipedia.org/wiki/2016_Summer_Olympics_medal_table en.wikipedia.org/wiki/2018%E2%80%9319_Premier_League		socialblade.com/youtube Weather Online	
<ul style="list-style-type: none"> • Spreadsheets • Data Handling 	<ul style="list-style-type: none"> • algorithms • Formatting • Formulas • Modelling • Data and Information 	<ul style="list-style-type: none"> • E- safety • Computational Thinking • Files and folders • Annotating • Reliable sources 	<ul style="list-style-type: none"> • Listening and interpretation • Logic • Reading • Key words 	<ul style="list-style-type: none"> • Problem solving • Data integrity • Trustworthy and reliable information 	<ul style="list-style-type: none"> • Summative theory assessment – Lesson 6 • Spreadsheet creation
Half Term 5 and 6 (6 lessons) - Block Based Programming					
<i>National Curriculum Links – 3.1, 3.2 3.3, 3.4, 3.8, 3.9</i> <i>Taxonomy Strands – AL, PG</i> <i>Computing Strands – DL, IT, CS</i> <i>Education for a Connected World – 8</i>		<i>Resources</i> Lessons Lessons			
<i>Hardware and software required</i> <i>Scratch 3 – online or local - https://scratch.mit.edu/</i>		<i>Additional Resources</i> en.wikipedia.org/wiki/Five_Little_Ducks en.wikipedia.org/wiki/Software_bug		Help cards	
<ul style="list-style-type: none"> • Block programming • Bitmap Graphics 	<ul style="list-style-type: none"> • Algorithms • Sequence • Selection • iteration 	<ul style="list-style-type: none"> • E- safety • Computational Thinking • Algorithms • File and folder structure • Acting responsibly online 	<ul style="list-style-type: none"> • Reading code • Annotating • Speaking and listening 	<ul style="list-style-type: none"> • Problem solving • Resilience • Collaboration 	<ul style="list-style-type: none"> • Summative assessment – Lesson 6 • Assessment of final product