

## Rokesly Computing Curriculum Overview

KS1	Autumn Term	Spring Term	Summer Term
Year 1	Recognise common uses of IT beyond school  Programmable robots (Beebots/ probots)	Create simple programs using algorithms (Espresso coding)  Using the internet search engines safely and navigating websites	Using 2animate Programme  Word processing skills
Year 2	General computing skills  Algorithms and programming	Coding and debugging  General computing skills	General Computing skills /Digital Literacy  Word Processing
KS2	Autumn Term	Spring Term	Summer Term
Year 3	<p><b>Online Safety</b> – Why is it important to have device-free moments in our lives?</p> <p><b>CONNECT</b>                      Blogging – Recycling and waste                      Connecting Computers                      Creating media – Desktop publishing + Blogging</p> <p><b>Online Safety</b> - What should you do if someone is mean to you online?</p> <p><b>COMMUNICATE</b>                      Digital Media - Create, Share, Respond.                      Programming</p>	<p><b>Online Safety</b> - How can we be good digital citizens?</p> <p><b>COMMUNICATE</b>                      IT - Multimedia and Digital Writing                      Programming – sequencing with Scratch</p> <p><b>Online Safety</b> - What kinds of information should I keep to myself when I use the internet?</p> <p><b>COLLECT</b>                      IT- Data</p> <p>Introduction to Google Classroom                      Home learning platform- Introduction                      Google Classroom</p>	<p><b>Online safety</b> – How can we be good digital citizens?</p> <p><b>COMMUNICATE</b>                      IT - Communication &amp; Collaboration</p> <p>Data and information – Branching database</p> <p><b>Online Safety</b> - Who is in your online community?</p> <p><b>CODE</b>                      Computer Science- Coding</p> <p>Animation</p>
Year 4	<p><b>Online Safety</b> - How do digital citizens take responsibility for themselves, their communities and their world?</p>	<p><b>Online safety</b> - Why do people alter digital photos and videos?</p>	<p><b>Online Safety</b> - How does what I post online affect my identity?</p>

	<p>Introduction to Google Slides – Country Study</p> <p><b>Online safety</b> - What should you do when someone uses mean or hurtful language on the internet?</p> <p>Digital sound – Audacity - Sound</p> <p>Creating media – Audio editing - Audacity</p>	<p>Data logging – Coding</p> <p>Data Logging</p> <p><b>Online Safety</b> - How can a strong password help protect your privacy?</p> <p><b>Programming</b> – sequencing dialogue on Scratch</p>	<p>Programming – repetition and shapes</p> <p><b>Online Safety</b> - What makes a strong community?</p> <p>Website creation</p>
<b>Year 5</b>	<p><b>Online Safety</b> - What makes a healthy media choice?</p> <p>History of computing</p> <p><b>Online safety</b> – What makes a good digital citizen?</p> <p>Film making and editing</p> <p>iMovie - Camera angles, frames &amp; editing</p>	<p><b>Online Safety</b> - What rights and responsibilities do you have as a creator?</p> <p>Data and information – Flat file databases – Where do I come from?</p> <p><b>Online Safety</b> - What information about you is OK to share online?</p> <p>Data and information – Spreadsheets</p> <p>Programming – Selection and quizzes</p>	<p><b>Online Safety</b> - How does our online activity affect the digital footprints of ourselves and others?</p> <p>Digital design – Vector drawing</p> <p>Vector Drawing - Google Drawings</p> <p><b>Online Safety</b> - How can I help myself and others be positive and have fun while playing online games?</p> <p>Programming – Variable and games</p>
<b>Year 6</b>	<p><b>Online Safety</b> - What does media balance mean for me?</p> <p>Data and information – Databases – Climate Change</p> <p><b>Online Safety</b> - What is cyberbullying and what can you do to stop it?</p> <p>Computing systems + Networks</p> <p>Data and information – Flat-file databases</p>	<p><b>Online Safety</b> - What are the important parts of an online news article?</p> <p>Programming – Variable and games</p> <p>South America/Rainforests</p> <p>Scratch - Variable in games</p> <p><b>Online Safety</b> - What is clickbait and how can you avoid it?</p>	<p><b>Online Safety</b> - How do gender stereotypes shape our experiences online?</p> <p>Animation – stop motion</p> <p><b>Online Safety</b> - How do you keep online friendships safe?</p> <p>Digital creation – 3D modelling</p>

	Website design	Consolidation of skills – Dragons Den Application of Skills -Dragons Den - Plan, Collaborate & Present	Creating media – 3D Modelling
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