

Computing Intent: The Elmbridge curriculum allows pupils to develop the skills needed to communicate effectively, be creative and embrace ever-changing technology. We strive to enable pupils to become responsible digital citizens who engage with technology in order to enhance both their lives and the lives of others.				
	Online Safety	Computer Science	Presenting and Recording	Programming
Year R	<ul style="list-style-type: none"> Recognise that I can say 'no' / 'please stop' / 'I'll tell' / 'I'll ask' to somebody who asks me to do something that makes me feel sad, embarrassed or upset Understand the internet can be used to communicate with people. Understand that information can be put on the internet Understand that there are people we don't know who also use the internet. Identify devices I could use to access information on the internet. Identify rules that help keep us safe and healthy when using technology Identify some simple examples of my personal information (e.g. name, address, birthday, age, location) and people that I can share them with Name my work so that others know it belongs to me 	<ul style="list-style-type: none"> Recognise that there are different forms of technology and they are used differently Know that the screen on some laptops/desktops aren't touch screen Use a mouse / touchpad to control the cursor 	<ul style="list-style-type: none"> Draw a picture in a graphics program Recognise where the letters are on a keyboard Begin to input text (name) into a program 	<ul style="list-style-type: none"> Move a programmable toy in different directions, by giving instructions
Year 1	<ul style="list-style-type: none"> Explain rules to keep us safe and healthy when using technology Explain why work I create using technology belongs to me Explain how passwords can be used to protect information and devices. Recognise that there may be people online who could make me feel sad, embarrassed or upset Describe how to behave online in ways that do not upset others and can give examples Describe what information I should not put online without asking a trusted adult first Explain why it is important to be considerate and kind to people online Know how to get help from a trusted adult if we see content that makes us feel sad, uncomfortable worried or frightened 	<ul style="list-style-type: none"> Identify technology Identify a computer and its main parts Use a mouse to click and drag Use a mouse in different ways Log in/sign out of computers 	<ul style="list-style-type: none"> Input text into a word processing program Edit a mistake (delete) in a word processing document Use a capital letter when typing Include text and a picture in the same document 	<ul style="list-style-type: none"> Explain what an algorithm is Move a programmable toy to follow a route by giving and following instructions Understand that code is a set of instructions that a computer will follow Explore outcomes when instructions are given in different orders Record algorithms to complete specific tasks
Year 2	<ul style="list-style-type: none"> Explain how other people may look and act differently online and offline Explain and give examples of what is meant by 'private' and 'keeping things private' Explain why I should always ask a trusted adult before clicking 'yes', 'agree' or 'accept' online Demonstrate how to navigate a simple webpage to get to information we need Explain what bullying is, how people may bully others and how bullying can make people feel Explain how information put online about someone can last for a long time Describe why other people's work belongs to them Explain simple guidance for using technology in different environments and settings 	<ul style="list-style-type: none"> Recognise the uses and features of information technology Identify the uses of information technology both in and beyond school Create, save and reopen work 	<ul style="list-style-type: none"> Change font style and size into a word processing program Change font colour in a word processing program Use bold, underline and italics in a word processing program Use a variety of punctuation marks in a word processing program Recognise where the letters are on a keyboard 	<ul style="list-style-type: none"> Explain what a program is Write a plan for a program Enter code to carry out specific task Correct errors (debug) in programs Predict the outcome of a program

<p>Year 3</p>	<ul style="list-style-type: none"> • Give examples of information that people may or may not be willing to share about themselves • Explain what it means to 'know someone' online and why this might be different from knowing someone offline • Give reasons why I should only share information with people I choose to and can trust. I can explain that if I am not sure or I feel pressured, I should ask a trusted adult • Explain why copying someone else's work from the internet without permission isn't fair and can explain what problems this might cause. • Understand that technology can have a negative impact • Explain the difference between a 'belief', an 'opinion' and a 'fact. and can give examples of how and where they might be shared online, • Describe appropriate ways to behave towards others online • Explain ways in which someone might change their identity depending on what they are doing online 	<ul style="list-style-type: none"> • Explain how digital devices function • Identify input and output devices • Explain how a computer network can be used to share information • Explore how digital devices can be connected 	<ul style="list-style-type: none"> • Use spell and grammar check in a word processing program • Use a thesaurus in a word processing program • Choose an appropriate font for the purpose of the text • Align text in a word processing program • Use bullet points in a word processing program • Cut, copy and paste in a word processing program • Use columns • Enter data into a spreadsheet • Write a formula for a simple calculation (add, subtract, multiply, divide) • Use data loggers (sound) 	<ul style="list-style-type: none"> • Write program using sequences (timings) • Correct errors (debug) in programs • Use if...then command within a program
<p>Year 4</p>	<ul style="list-style-type: none"> • Describe how to find out information about others by searching online • Explain how using technology can be a distraction from other things, in both a positive and negative way • When searching on the internet for content to use, I can explain why I need to consider who owns it and whether I have the right to reuse it • Explain what is meant by 'fake news' • Explain that others online can pretend to be someone else, including my friends, and can suggest reasons why they might do this • Describe ways people can be bullied through a range of media (e.g. image, video, text, chat) • Explain why people need to think carefully about how content they post might affect others, their feelings and how it may affect how others feel about them (their reputation) • Describe strategies for safe and fun experiences in a range of online social environments (e.g. livestreaming, gaming platforms) • To describe strategies for keeping my personal information private, depending on context • I can explain why some online activities have age restrictions, why it is important to follow them and know who I can talk to if others pressure me to watch or do something online that makes me feel uncomfortable (e.g. age restricted gaming or web sites). • describe simple ways to increase privacy on apps and services that provide privacy settings. 	<ul style="list-style-type: none"> • Describe how networks physically connect to other networks • Recognise how networked devices make up the internet • Outline how websites can be shared via the World Wide Web (WWW) • Describe how content can be added and accessed on the World Wide Web (WWW) 	<ul style="list-style-type: none"> • Insert a header and footer in a word processing program • Insert a page border in a word processing program • Insert a table in a document • Insert a picture/image in a document • Insert a shape in a document • Insert a text box in a document • Format a cell in a spreadsheet program • Click and drag a formula in a spreadsheet program • Insert a bar and line graph in a spreadsheet • Use data loggers to collect data (temperature) 	<ul style="list-style-type: none"> • Use variables in programs • Write a program for a specific purpose, using repetition • Test programs to see how they could be improved • Correct errors (debug) in programs

<p>Year 5</p>	<ul style="list-style-type: none"> • Explain and create strong passwords • Explain how online identities can be copied, modified and altered • Describe strategies to promote health and wellbeing online • Explain how someone can get help if they're having problems online • Evaluate digital content • Assess and justify when it is acceptable to use the work of others • Recognise online bullying can be different to bullying in the physical world and can describe some of those differences • Explain how anyone can get help if they are being bullied • I can describe common systems that regulate age-related content (e.g. PEGI, BBFC, parental warnings) and describe their purpose. • Understand that information about people online can be used to make judgements • explain how and why some apps and games may request or take payment for additional content (e.g. in-app purchases, lootboxes) and explain the importance of seeking permission from a trusted adult before purchasing. 	<ul style="list-style-type: none"> • Explain that computers can be connected together to form systems • Recognise the role of computer systems in our lives 	<ul style="list-style-type: none"> • Orientate a page in a word processing program • Choose whether a pre-designed template is appropriate for an audience • Choose an appropriate slide design in a presentation program • Choose appropriate transitions between slides in a presentation program • Choose appropriate animations in a presentation program • Use multiple sheets in a spreadsheet program • Use formula to find the average in a set of data from a spreadsheet • Edit cell borders • Use data loggers to collect data (...) 	<ul style="list-style-type: none"> • Write a program that controls speed • Use coordinates in a program • Write a program that enables an object to change direction • Use if...then command within a program • Write a program that uses random commands • Correct errors (debug) in programs
<p>Year 6</p>	<ul style="list-style-type: none"> • Describe ways in which some online content targets people to gain money or information illegally and name strategies to help me identify such content (e.g. scams, phishing) • Demonstrate how to make references to and acknowledge sources I have used from the internet • Explain the ways in which anyone can develop a positive online reputation. • Explain the impact of taking or sharing inappropriate images has on someone • Explain how someone would report online bullying in different contexts • Identify and report inappropriate content • Define the terms 'influence', 'manipulation' and 'persuasion' and explain how someone might encounter these online • Recognise and can discuss the pressures that technology can place on someone and how / when they could manage this. • Identify and critically evaluate online content relating to gender, race, religion, disability, culture and other groups, and explain why it is important to challenge and reject inappropriate representations online • Describe issues online that could make anyone feel sad, worried, uncomfortable or frightened. I know and can give examples of how to get help, both on and offline • 	<ul style="list-style-type: none"> • Understand the importance of internet addresses • Recognise how data is transferred across the internet • Explain how sharing information online can help people to work together • Evaluate different ways of working together online • Understand Artificial Intelligence (AI) • Identify advantages and disadvantages of AI 	<ul style="list-style-type: none"> • Insert hyperlinks into a document • Insert multi-media into a presentation program • Use conditional formatting as a method of evaluating data in a spreadsheet • Make an effective choice about which program to use for presenting a piece of work • Evaluate the effectiveness of presentational choices • Use simple shortcuts within the Microsoft software (cut, copy, paste, select all, save) • Use data loggers to collect a variety of data (light) 	<ul style="list-style-type: none"> • Use complex variables in programs • Write programs that uses an align feature • Use a boolean expression • Correct errors (debug) in programs