



Hale CE Primary School

2021-2022

Computing Progression Statements - end of year expectations

Hale Primary School Computing progression 21-22							
	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Mandatory skills	<p>I can do the basics with technology.</p> <p>I can go online.</p> <p>I can use a camera.</p>	<p>I can do the basics with technology.</p> <p>I can take a good quality photograph and video on an iPad/digital camera.</p>	<p>I can save, share and retrieve my digital work.</p> <p>I can use technology to organise and present my ideas.</p>	<p>I can troubleshoot when something doesn't appear to be working with my device.</p> <p>I can discuss different types of digital content and file types.</p>	<p>I can label the different types of input connections on devices.</p> <p>I can explain common file types.</p>	<p>I can make a QR codes that links to my own work.</p> <p>I can film and produce a short video.</p>	<p>I can collaborate to create digital content.</p> <p>I can create a consistent design for my presentation, and present to others.</p>



Computing Progression Statements - end of year expectations

Computing Science	<p>I can explain an algorithm.</p> <p>I can explain sequencing.</p> <p>I can give instructions to a programmable toy.</p>	<p>I can follow a simple algorithm and create a simple sequence algorithm using symbols that solve a problem.</p> <p>I can create algorithms that can be turned into a program using a robot or digital device.</p> <p>I can independently debug simple sequence errors in a program.</p> <p>I can use logical reasoning to predict the outcome of simple programs.</p>	<p>I can plan out an algorithm with a sequence of commands to carry out a specific task.</p> <p>I can identify 'bugs' in computer programs and use the term debug in context.</p> <p>I can create a simple repeat loop</p> <p>I can create a simple game program</p> <p>I can predict the outcome of a sequence of blocks in Scratch.</p>	<p>I can plan, create and debug programs.</p> <p>I can use decomposition to help me solve computing problems.</p> <p>I can use sequence, selection, repetition and variables in programs.</p> <p>I can work with various forms of input and output.</p> <p>I can use logical reasoning to predict and correct errors in algorithms and programs.</p> <p>I can explain how the internet works.</p> <p>I can explain how a search engine works.</p>	<p>I can design an algorithm to simulate a real-life situation.</p> <p>I can solve an open-ended problem by breaking it up into smaller parts.</p> <p>I can design and write a program for a given purpose including specific programming features.</p> <p>I can test existing programs to see how they could be improved.</p> <p>I can understand the different methods of communication using the internet.</p>	<p>I can decompose a problem, design an algorithm and use this to write a program.</p> <p>I can design and write a program linked to physical systems and sensors.</p> <p>I can use variables, conditional statements, procedures & repeat commands to improve programs.</p> <p>I can use logical reasoning to detect & debug a program.</p> <p>I can explore networks and internet traffic.</p> <p>I can translate binary numbers to decimal.</p> <p>I can create a basic web page using HTML.</p>	<p>I can design, plan & create a complex programs.</p> <p>I can test, debug and modify a program to improve it.</p> <p>I can write a program using a text based programming language.</p> <p>I can use logical reasoning to detect and correct errors in algorithms and programs.</p> <p>I understand how computer networks work, including the internet.</p> <p>I can talk about the way search results are selected and ranked.</p>
------------------------------	---	---	---	---	---	---	---



Computing Progression Statements - end of year expectations

Information Technology	I can select and use technology for particular purposes.	I can use technology to create and present my ideas. I can organise and store my digital work. I can collect and sort data.	I can use design and formatting to enhance my digital work. I can create with technology Eg video and animation I can collect data purposefully. and sort data.	I can improve the quality and presentation of my work. I can create with technology. E.g. Video, animation, 3D I can collect, analyse, evaluate and present data and information. I can use advanced search tools	I can improve the quality and presentation of my work using editing and formatting techniques. I can create with technology. E.g. Video, animation, 3D I can use a search engine and I am aware that not everything I read online is correct. (Online Bullying)	I can record and produce a podcast / audio clips I can use unfamiliar technology to create content. I can improve the quality and presentation of my work. I can use a spreadsheet to collect and record data. I can use a search engine and I am aware that not everything I read online is correct.	I can create and combine a range of media in order to produce digital content I can improve the quality and presentation of my work using editing and formatting techniques. I can create a digital storyboard to plan a project or investigation. I can use a search engine and I am aware that not everything I read online is correct and that other people may be attempting to influence my opinions.
-------------------------------	--	---	---	--	---	---	---



Computing Progression Statements - end of year expectations

		<p>and give examples of it. I am aware that content online is owned by the person that created it.</p>	<p>go for support. (Online Bullying) I can use a search engine and I am aware that not everything I read online is true. (Online Bullying)</p> <p>I know the rules of using technology at home or in school. (Health well being)</p> <p>I can explain what personal information is and understand the need for passwords to protect it. (Privacy and Security)</p> <p>I am aware that content online is owned by the person that created it. (Copyright)</p>	<p>I understand the impact technology can have on my health, well being and lifestyle. I know who I should be sharing information with and how to keep my data secure.</p> <p>I understand the term identity and I can take appropriate measures to protect my own online identity.</p>	<p>used for online bullying and I am considerate of others when posting myself. (Online Bullying)</p> <p>I understand the impact technology can have on my health, well being and lifestyle. (Health well being)</p> <p>I am aware that some people want to access my data and can take appropriate measures to ensure this doesn't happen. (Privacy and Security)</p> <p>I understand the need for copyright and the consequences of ignoring it. (Copyright)</p>	<p>make a positive contribution to my online community.</p> <p>I understand the impact online bullying can have and I know what to do if I am the victim or I witness online bullying.</p> <p>I understand the impact technology can have on my health, well being and lifestyle.</p> <p>I can create a strong password and understand the real cost of some apps.</p>	<p>others feelings at all times</p> <p>I understand I need to create a positive online reputation.</p> <p>I know how to capture evidence of online bullying and how to report it.</p> <p>I know how to keep my data private and secure.</p> <p>I understand the impact technology can have on my health, well-being and lifestyle.</p>
--	--	--	--	---	--	--	--