

### Whole School Computing Intent Overview

#### Yellow Phase Foundations for Computing (End of Year Expectations)

Knowledge- Learners should know:	Skills- Learners should be able to:
Some ways technology may be used to communicate Rules that keep us safe in home & at school when using technology Ways someone can be unkind online & how it can make others feel That work I create belongs to me	Talk to a trusted adult if they feel unsafe when using technology Use everyday technology Explore on screen activities by clicking (cause & effect) Identify simple examples of my personal information (name, address, birthday etc.)

## Green Phase Computing Overview

Year 1

Autumn		Spring	Summer	
Digital Citizenship	Digital Literacy	Computer Science: Algorithm	Information Technology	Digital Literacy: Data Handling & Digital Creativity
<p><b>Know &amp; understand the main, simple online safety rules</b> Explain why it is important to be kind &amp; respectful to people online &amp; give examples Understand there may be people online who could make us feel sad, embarrassed or upset Know who is a trusted adult &amp; when to speak to them (butterfly feeling) Know that information can stay online &amp; could be copied Describe what type of information should not be put online</p>	<p><b>Log on &amp; log off the school network</b> <b>Save work in a file on Purplemash &amp; the school network</b> <b>Type sentences in the correct format (capital letters, space &amp; full stops)</b> <b>Insert images into a simple software programme</b> <b>Change font, colour &amp; size of text</b> Explain &amp; describe the main keys on a keyboard used for typing e.g., space bar, shift, full stop etc. <b>Use icons to change text e.g., bold, italics, centre, etc.</b> <b>Use the 'undo' icon to fix mistakes</b></p>	<p>Understand what algorithms are &amp; plan a simple algorithm Give &amp; follow simple instructions, which include straight line or turning commands Create a simple algorithm using a Beebot Debug a simple program causing an unexpected outcome Predict if a simple algorithm will work Break a problem down into smaller parts</p>	<p>Explain what a browser is, how to open one &amp; use simple keywords in search engines to find information Identify where or who to go to for help if something online causes worry or upset Explain why passwords are used to protect information &amp; devices Recognise examples of personal information that should not be shared online without asking a trusted adult Explain why work created using technology belongs to them Identify icons for applications on the desktop &amp; launch accordingly Conduct a computing pioneer study on Jack Kilby and Robert Noyce and the invention of the microchip.</p>	<p>Create a pictogram by entering data into a graph making program (2 Graph) Answer simple questions using a pictogram (2Graph) Use an iPad to take photographs Explore sounds in a music programme or sound app</p>
<p><b>British Value:</b> Develop an understanding &amp; acceptance of the consequences of their behaviour &amp; actions <b>UNCRC Article:</b> <b>Article 16:</b> Every child has the right to privacy</p>	<p><b>British Value:</b> Use of imagination &amp; creativity in their learning <b>UNCRC Article:</b> <b>Article 29:</b> Education must develop every child's personality, talents &amp; abilities to the full</p>	<p><b>British Value:</b> Display a willingness to participate in &amp; respond positively to artistic activities <b>UNCRC Article:</b> <b>Article 29:</b> Education must develop every child's personality, talents &amp; abilities to the full</p>	<p><b>British Value:</b> Develop their ability to recognise the difference between right &amp; wrong <b>UNCRC Article:</b> <b>Article 17:</b> Every child has the right to reliable information from the media &amp; internet</p>	<p><b>British Value:</b> Display a willingness to participate in &amp; respond positively to artistic activities <b>UNCRC Article:</b> <b>Article 31:</b> Every child has the right to take part in a wide range of artistic activities</p>

Blue - Essential Computing Skills

## Year 1 ~ End of Year Expectations

Knowledge ~ Learners should know:	Skills ~ Learners should be able to:
Some key ways to use technology safely That personal information must be kept private & why we use passwords That an algorithm is a series of instructions Some of the uses of technology in their own home & at school	Recognise warning signs while online and get help Type a sentence correctly using a word bank or copying from a written piece Save their work in a folder Record sound & play it back Programme a beebot to make a planned journey Find information from websites

**Throughout and at the end of unit of work all learners will have been assessed against the relevant year group expectations (knowledge and skills) utilising bespoke Kahoot low-stakes quiz assessments and appropriate assessment tasks.**

Autumn		Spring	Summer	
Digital Citizenship	Digital Literacy	Computer Science: Events Program	Information Technology	Digital Literacy: Data Handling
<p>Explain &amp; know the simple online safety rules</p> <p>Describe &amp; explain how information about me can be seen by other people</p> <p>Understand &amp; explain the rules for keeping information private online</p> <p>Identify where to go for help if they are worried about something online</p> <p>Understand that information can stay online a long time &amp; that we leave a digital footprint</p> <p>Describe ways in which people might make themselves look different online</p> <p>Understand cyber-bullying, how it makes people feel &amp; how to report it</p>	<p><a href="#">Log onto a school computer &amp; save work in folders</a></p> <p>Type using both hands</p> <p><a href="#">Use keyboard shortcuts to edit typed text</a></p> <p><a href="#">Use spelling &amp; grammar check to check typed text</a></p> <p><a href="#">Use the enter/return key to add breaks in typed work</a></p> <p><a href="#">Insert a picture into a word document by saving it from the internet</a></p> <p>Change the orientation of my work from portrait to landscape &amp; explain my choice</p> <p>Insert a page border &amp; basic table</p>	<p>Understand that computers need precise instructions</p> <p>Explain what programs &amp; events are &amp; understand that programs need events to begin</p> <p>Use different techniques to start a program e.g., by clicking, timed, etc.</p> <p>Predict how a program will work using logical reasoning</p> <p>Create a program to make a character move in a game, including direction &amp; turning commands</p> <p>Debug a programme that has caused an unexpected outcome</p>	<p>Use simple key words in search engines</p> <p>Refine searches to limit search results</p> <p>Describe how to navigate a webpage using links, back buttons tabs, etc.</p> <p>Understand the difference between true &amp; fictional information from reliable &amp; unreliable websites</p> <p>Understand that some content on the internet belongs to other people &amp; why (Copyright)</p> <p>Describe &amp; explain rules for keeping personal information private (e.g., creating &amp; protecting passwords)</p> <p>Conduct a computing pioneer study on Tim Berners Lee and the creation of the WWW</p>	<p>Plan a simple tree diagram to sort information (2Question)</p> <p>Create a branching database</p> <p>Search a database to find information &amp; answer simple questions</p> <p>Create simple graphs &amp; bar charts</p> <p>Find information &amp; answer simple questions using graphs</p>
<p><b>British Value:</b> Develop an understanding &amp; acceptance of the consequences of their behaviour &amp; actions</p> <p><b>UNCRC Article:</b> <b>Article 16:</b> Every child has the right to privacy</p>	<p><b>British Value:</b> Use of imagination &amp; creativity in their learning</p> <p><b>UNCRC Article:</b> <b>Article 29:</b> Education must develop every child's personality, talents &amp; abilities to the full</p>	<p><b>British Value:</b> Use of imagination &amp; creativity in their learning</p> <p><b>UNCRC Article:</b> <b>Article 29:</b> Education must develop every child's personality, talents &amp; abilities to the full</p>	<p><b>British Value:</b> Develop their ability to recognise the difference between right &amp; wrong</p> <p><b>UNCRC Article:</b> <b>Article 17:</b> Every child has the right to reliable information from the media &amp; internet</p>	<p><b>British Value:</b> Display a willingness to participate in &amp; respond positively to artistic activities</p> <p><b>UNCRC Article:</b> <b>Article 31:</b> Every child has the right to take part in a wide range of artistic activities</p>

## Blue - Essential Computing Skills

## Year 2 ~ End of Year Expectations

Knowledge ~ Learners should know:	Skills ~ Learners should be able to:
Where to go for help if they are concerned about anything they see online That people might behave and communicate differently online Ways technology is used in school & outside of school That programs require precise instructions & events to begin That people own online work	Recognise online bullying behaviour Save & retrieve work in different folders Use Keyboard shortcuts to edit digital content Use a search engine to find relevant, factual information Write a simple program & test it Predict what the outcome of a simple program will be (logical reasoning)

**Throughout and at the end of unit of work all learners will have been assessed against the relevant year group expectations (knowledge and skills) utilising bespoke Kahoot low-stakes quiz assessments and appropriate assessment tasks.**

## Red Phase Computing Overview

Year 3

Autumn				
Digital Citizenship	Digital Literacy	Computer Science: Sequence	Information Technology	Summer
<p>Use technology safely, responsibly &amp; appropriately</p> <p>Explain what 'identity' means &amp; how digital footprints contribute to online identities</p> <p>Understand how to represent themselves in different ways online</p> <p>Describe ways people who have similar likes &amp; interests can connect online</p> <p>Identify the difference between online friends &amp; real-life friends</p> <p>Identify &amp; explain the risks of putting personal information online</p> <p>Explain &amp; know the online safety rules about cyber-bullying</p> <p>Understand that too much technology can have a negative impact</p>	<p><a href="#">Type a number of sentences using the keyboard</a></p> <p><a href="#">Use the tab key to indent paragraphs</a></p> <p><a href="#">Use cut, copy &amp; paste icons &amp; shortcuts to reorder text</a></p> <p><a href="#">Use format wrapping, rotate, move &amp; resize to change the layout of text boxes &amp; images</a></p> <p><a href="#">Format Wordart, changing the size, colour &amp; border of text</a></p> <p><a href="#">Use a variety of table tools e.g., fill, merge cells, split cells, etc.</a></p> <p><a href="#">Explain the difference between save &amp; save as &amp; create a folder to save work, giving it an identifiable name</a></p>	<p>Explain what a sequence is</p> <p>Use &amp; edit a pre-written program to achieve a specific outcome</p> <p>Sequence a simple program using Logo to create a line drawing of a simple 2D shape</p> <p>Solve problems by decomposing them into smaller parts</p> <p>Use logical reasoning to explain what will happen next</p> <p>Identify &amp; debug errors in a sequence</p> <p>Predict how a change in a sequence may impact on the outcome of a program</p>	<p>Use key vocabulary &amp; phrases in search engines</p> <p>Explain what autocomplete is &amp; how to find the best suggestion</p> <p>Explain the difference between a 'belief', an 'opinion' &amp; a 'fact' &amp; where these might be shared online</p> <p>Describe simple strategies for creating &amp; keeping passwords safe &amp; private</p> <p>Explain why information should only be shared with trusted people &amp; how to talk to a trusted adult if they feel unsure or pressured</p> <p>Describe how devices can collect &amp; share information with others through computer networks</p> <p>Explain the consequences of copying somebody else's work from online (Copyright)</p> <p>Conduct a computing pioneer study on Ada Lovelace and the programming of the first computer</p>	<p>Create an eBook using PowerPoint</p> <p><a href="#">Use bullet points, speech bubbles, auto shapes &amp; text boxes</a></p> <p>Edit images using tools in Paint or photo-manipulation software</p> <p><a href="#">Insert images in a variety of ways</a></p> <p>Create &amp; add sounds effects &amp; animation to the eBook</p>
<p><b>British Values:</b></p> <p>Develop their willingness to reflect on their experiences &amp; that of others</p> <p>Develop an understanding &amp; acceptance of the consequences of their behaviour &amp; actions</p> <p><b>UNCRC Articles:</b></p> <p><b>Article 13:</b> Every child has the right to seek &amp; receive all kinds of information, as long as it is within the law</p> <p><b>Article 16:</b> Every child has the right to privacy</p>	<p><b>British Values:</b></p> <p>Develop a use of imagination &amp; creativity in their learning</p> <p>Display a willingness to participate in &amp; respond positively to creative &amp; artistic activities</p> <p><b>UNCRC Articles:</b></p> <p><b>Article 29:</b> Education must develop every child's personality, talents &amp; abilities to the full</p> <p><b>Article 31:</b> Every child has the right to part in a range of artistic activities</p>	<p><b>British Values:</b></p> <p>Use of imagination &amp; creativity in their learning</p> <p><b>UNCRC Articles:</b></p> <p><b>Article 29:</b> Education must develop every child's personality, talents &amp; abilities to the full</p> <p><b>Article 31:</b> Every child has the right to part in a range of artistic activities</p>	<p><b>British Values:</b></p> <p>Develop their ability to recognise the difference between right &amp; wrong</p> <p>Develop an understanding &amp; acceptance of the consequences of their behaviour &amp; actions</p> <p><b>UNCRC Articles:</b></p> <p><b>Article 13:</b> Every child has the right to seek &amp; receive all kinds of information, as long as it is within the law</p> <p><b>Article 17:</b> Every child has the right to reliable information from the media &amp; internet</p>	<p><b>British Values:</b></p> <p>Display a willingness to participate in &amp; respond positively to artistic activities</p> <p>Develop a use of imagination &amp; creativity in their learning</p> <p><b>UNCRC Articles:</b></p> <p><b>Article 29:</b> Education must develop every child's personality, talents &amp; abilities to the full</p> <p><b>Article 31:</b> Every child has the right to part in a range of artistic activities</p>



### Year 3 ~ End of Year Expectations

Knowledge ~ Learners should know:	Skills ~ Learners should be able to:
What is meant by a digital footprint Online identities can be different to real world identities The impact of people being unkind online That computer networks share information between devices Different ways they can get help if they are concerned The difference between an algorithm and a program	Plan a simple sequence of instructions, including directional instructions Create a program using a simple sequence that accomplishes a specific goal Navigate the internet to complete simple, accurate searches Use some features of Microsoft Word & PowerPoint effectively Create strong passwords and share information safely Save work to a specific location with a recognisable name Have a healthy balance between online and real-life activity

**Throughout and at the end of unit of work all learners will have been assessed against the relevant year group expectations (knowledge and skills) utilising bespoke Kahoot low-stakes quiz assessments and appropriate assessment tasks.**

Autumn		Spring	Summer	
Digital Citizenship	Digital Literacy: Digital Creativity	Computer Science: Repeat & Loops	Information Technology	Digital Literacy: Data Handling
<p>Describe strategies for safe &amp; fun experiences on a range of online social environments</p> <p>Explain online identity using digital footprints &amp; how it may be different to offline identities</p> <p>Describe how information about individuals can be found by searching them online &amp; ways this could be created, copied or shared by others</p> <p>Identify &amp; describe how cyber-bullying might take place through a range of online media (e.g., images, videos, text, chat)</p> <p>Explain how using technology can be both a positive &amp; negative distraction</p> <p>Suggest strategies to limit the amount of time spent using technology when needed</p>	<p>Storyboard a short film clip or animation using PowerPoint</p> <p><a href="#">Insert images, hyperlinks &amp; sounds into PowerPoint</a></p> <p>Take a series of pictures to form a short animation</p> <p>Edit, merge, collage &amp; add text to digital photographs on a range of devices</p> <p><a href="#">Review &amp; edit work &amp; talk about the changes made</a></p>	<p>Understand what a loop or repeat is &amp; why it is used in a sequence</p> <p>Use loops or repeat commands in programs confidently</p> <p>Detect &amp; debug errors in algorithms</p> <p>Independently select &amp; sequence to make programs</p> <p>Transfer &amp; apply coding skills between different software &amp; on different devices</p>	<p>Understand how computing networks can provide different services by sharing information</p> <p>Understand that many people sharing an opinion does not make it true</p> <p>Explain what is meant by fake news &amp; how to make accurate judgements about the accuracy of online content</p> <p>Describe strategies for keeping information private in different online contexts, knowing that internet use is never fully private</p> <p>Explain what the digital age of consent is &amp; the impact this has on online services asking for consent</p> <p>Describe some of the methods used to encourage people to buy things online</p> <p>Give examples of content which must not be used without permission from the owner (e.g., videos, music, images) &amp; explain why</p> <p>Conduct a computing pioneer study on Hedy Lamar and the foundation for WiFi</p>	<p>Enter a basic formula into Excel</p> <p>Edit a spreadsheet changing text, colour, columns &amp; rows</p> <p>Insert &amp; delete rows &amp; columns on a spreadsheet</p> <p>Use spreadsheets to create a graph</p> <p>Use SUM to calculate rows in a spreadsheet</p> <p>Use data to answer 'what if...?' questions</p> <p>Decide which graph would be best suited for their data &amp; use suggested graphs</p>
<p><b>British Values:</b></p> <p>Develop their ability to recognise the difference between right &amp; wrong</p> <p>Develop an understanding &amp; acceptance of the consequences of their behaviour &amp; actions</p> <p><b>UNCRC Articles:</b></p> <p><b>Article 13:</b> Every child has the right to seek &amp; receive all kinds of information, as long as it is within the law</p> <p><b>Article 16:</b> Every child has the right to privacy</p>	<p><b>British Values:</b></p> <p>Develop a use of imagination &amp; creativity in their learning</p> <p>Display a willingness to participate in &amp; respond positively to artistic activities</p> <p><b>UNCRC Articles:</b></p> <p><b>Article 29:</b> Education must develop every child's personality, talents &amp; abilities to the full</p> <p><b>Article 31:</b> Every child has the right to part in a range of artistic activities</p>	<p><b>British Values:</b></p> <p>Use of imagination &amp; creativity in their learning</p> <p><b>UNCRC Articles:</b></p> <p><b>Article 29:</b> Education must develop every child's personality, talents &amp; abilities to the full</p> <p><b>Article 31:</b> Every child has the right to part in a range of artistic activities</p>	<p><b>British Values:</b></p> <p>Develop a sense of enjoyment &amp; fascination in learning about themselves, others &amp; the world around them</p> <p>Develop their willingness to reflect on their experiences &amp; that of others</p> <p><b>UNCRC Articles:</b></p> <p><b>Article 13 &amp; 17:</b> Every child has the right to seek &amp; receive all kinds of reliable information from the media or internet, as long as it is within the law</p>	<p><b>British Values:</b></p> <p>Develop a use of imagination &amp; creativity in their learning</p> <p><b>UNCRC Articles:</b></p> <p><b>Article 29:</b> Education must develop every child's personality, talents &amp; abilities to the full</p> <p><b>Article 31:</b> Every child has the right to part in a range of artistic activities</p>



#### Year 4 ~ End of Year Expectations

Knowledge - Learners should know:	Skills - Learners should be able to:
What computer networks do & how they provide multiple services How to search for specific information & know which information is useful & accurate Which software is useful to complete a specific task How to recognise acceptable & unacceptable behaviour online How online content & behaviour can impact and influence other people Anyone can search online profiles for information Positives and negatives of using technology at home and at school	Sequence a program using a loop or repeat command Make an accurate prediction of a program outcome & explain their reasoning Debug coding when the outcome is not as expected Produce a short film or animation Create a simple spreadsheet Use many features of Microsoft Word & PowerPoint effectively

**Throughout and at the end of unit of work all learners will have been assessed against the relevant year group expectations (knowledge and skills) utilising bespoke Kahoot low-stakes quiz assessments and appropriate assessment tasks.**

## Blue Phase Computing Overview

Year 5

Autumn					Spring	Summer	
Digital Citizenship	Digital Literacy: Data Handling	Computer Science: Selections & Conditionals	Information Technology		Digital Literacy		
Demonstrate responsible choices about online identity depending on the context & audience	Enter data into a database I have created	Explain what a conditional is	Understand what an operating system is & why it is important	Select appropriate tools to add emphasis & effects to digital work			
Understand how online identities can be copied & altered	Collect quality information using a data collection form	Plan & write an algorithm using: commands, sequence, repetition & selection (If...then...)	Identify the key internal parts of a computer & describe what each part does	Explain choices about formatting & layout			
Describe how to help others online & make positive contributions to online communities	Use databases to create a graph	Detect & debug errors in more complex algorithms & programs	Understand what it means to be sceptical of online content & when this is important	Consider whether work is suitable for the audience			
Understand the impact false information can have on individuals & an audience	Select the most appropriate form of graph for a data set & explain choice	Use selection to create games in which the user must make a choice	Explain key concepts including: information, reviews, fact, opinion, belief, reliability & evidence	Draft & redraft written work by deleting, inserting & replacing text & images			
Explain differences between online & offline bullying, recognising technology specific forms of communication & explain how to get help	Interpret graphs of data from a variety of sources	Use skills & understanding of selection in more than 2 programs	How stereotypes are amplified online & influence how people think about others	Design & evaluate a 3D model with a specific goal			
<b>Know how to block &amp; report users</b>			Explain what a strong password is & demonstrate how to create one				
Describe online services that provide help & support (CEOP & ChildLine)			Understand what app permissions are & give some examples				
Understand how technology can affect health & wellbeing positively & negatively & strategies for ensuring a positive impact			Understand & justify when it may be acceptable to use the work of others & how to credit sources				
			Conduct a computing pioneer study on Bill Gates and the founding of Windows				
<b>British Values:</b> Develop their willingness to reflect on their experiences & that of others Develop an understanding & acceptance of the consequences of their behaviour & actions <b>UNCRC Articles:</b> <b>Article 13:</b> Every child has the right to seek & receive all kinds of information	<b>British Values:</b> Develop a use of imagination & creativity in their learning Display a willingness to participate in & respond positively to artistic activities <b>UNCRC Articles:</b> <b>Article 17:</b> Every child has the right to reliable information	<b>British Values:</b> Develop a use of imagination & creativity in their learning Display a willingness to participate in & respond positively to artistic activities <b>UNCRC Articles:</b> <b>Article 29:</b> Education must develop every child's personality, talents & abilities	<b>British Values:</b> Develop a sense of enjoyment & fascination in learning about themselves, others & the world around them Develop their ability to recognise the difference between right & wrong <b>UNCRC Articles:</b> <b>Article 13 &amp; 17:</b> Every child has the right to seek & receive all kinds of reliable information from the media	<b>British Values:</b> Develop a use of imagination & creativity in their learning Display a willingness to participate in & respond positively to artistic activities <b>UNCRC Articles:</b> <b>Article 29:</b> Education must develop every child's personality & talents <b>Article 31:</b> Every child has the right to part in a range of artistic activities	<b>British Values:</b> Develop a use of imagination & creativity in their learning Display a willingness to participate in & respond positively to artistic activities <b>UNCRC Articles:</b> <b>Article 29:</b> Education must develop every child's personality & talents <b>Article 31:</b> Every child has the right to part in a range of artistic activities		

<b>Article 16:</b> Every child has the right to privacy			or internet, as long as it is within the law	
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**Blue - Essential Computing Skills**  
Year 5 ~ End of Year Expectations

Knowledge ~ Learners should know:	Skills ~ Learners should be able to:
<p>How to make responsible choices when using technology about online identity &amp; communicating with others</p> <p>A number of ways to report online concerns &amp; get help</p> <p>How to consider the reliability of online information</p> <p>The different types of online bullying &amp; how to recognise these</p> <p>What the internal parts of a computer are and how they work</p>	<p>Create a graph from a database using excel</p> <p>Write a program that uses conditional/selection to achieve a specific outcome</p> <p>Predict the outcome of a programme and the implications of reordering code</p> <p>Debug code when the outcome is not as expected</p> <p>Redraft written digital content using a range of formatting tools</p> <p>Promote health and wellbeing with regards to technology use</p> <p>Find, save and import images from the internet</p>

**Throughout & at the end of unit of work all learners will have been assessed against the relevant year group expectations (knowledge & skills) utilising bespoke Kahoot low-stakes quiz assessments & appropriate assessment tasks.**

Autumn		Spring	Summer	
Digital Citizenship	Digital Literacy	Computer Science: Variables	Information Technology	Digital Literacy: Digital Creativity
<p>Recognise &amp; understand what discrimination online might look like &amp; how to challenge it</p> <p>Describe online issues that may make us feel uncomfortable, sad, worried or scared</p> <p>Give examples of how to get help both on &amp; offline</p> <p>Understand the impact of sharing online can positive &amp; negative impacts on own reputation (digital footprint) &amp; others</p> <p>Explain strategies that can be used to protect online reputations, including degrees of anonymity</p> <p>Describe how to respect others online including respecting boundaries about what is shared about them online</p> <p>Describe how to capture cyber-bullying content as evidence &amp; report it in different contexts</p> <p>Understand &amp; explain age-related regulations on games &amp; technology</p> <p>Assess, self-regulate &amp; action strategies to limit the impact of technology on health (e.g., night-shift mode, regular breaks, correct posture, sleep, diet &amp; exercise)</p>	<p><b>Choose, select &amp; use a combination of software to present work</b></p> <p><b>Select appropriate tools independently &amp; explain choices</b></p> <p><b>Explain how work has been edited &amp; improved to suit the audience</b></p> <p>Interpret graphs of data collected from a variety of sources</p>	<p>Explain what a variable is</p> <p>Confidently use events, repeats, selection &amp; variables</p> <p>Use a variable in a variety of programming software</p> <p>Decompose a problem &amp; methodically create a program to solve it</p> <p>Evaluate effectiveness of programming &amp; suggest improvements</p> <p>Confidently use the 'Blockly' programming language</p>	<p>Explain how search engines work &amp; how results are selected &amp; ranked</p> <p>Explain &amp; understand how some sites present opinions &amp; beliefs as facts</p> <p>Define the terms 'influence', 'manipulation' &amp; 'persuasion' &amp; explain how I might encounter these online, including the influence of persuasive design</p> <p>Demonstrate strategies to recognise &amp; challenge the validity of 'facts'</p> <p>Understand how to identify, flag &amp; report inappropriate content</p> <p>Describe simple ways to increase privacy on apps &amp; services that provide privacy settings</p> <p>Suggest what technology might look like in twenty years' time</p> <p>Conduct a computing pioneer study on Alan Turing solving the enigma code and identify AI</p>	<p>Create a memory eBook of time in school</p> <p>Add images &amp; text to eBook</p> <p>Draft &amp; redraft written work by deleting, inserting &amp; replacing text to improve clarity &amp; create mood</p> <p>Evaluate &amp; explain how eBook is suitable for their audience (other children in school)</p> <p>Create a film clip adding images, special effects, music &amp; voice over</p>
<p><b>British Values:</b></p> <p>Develop their willingness to reflect on their experiences &amp; that of others</p> <p>Develop an understanding &amp; acceptance of the consequences of their behaviour &amp; actions</p> <p><b>UNCRC Articles:</b></p> <p><b>Article 13:</b> Every child has the right to seek &amp; receive all kinds of information, as long as it is within the law</p> <p><b>Article 16:</b> Every child has the right to privacy</p>	<p><b>British Values:</b></p> <p>Develop a use of imagination &amp; creativity in their learning</p> <p>Display a willingness to participate in &amp; respond positively to artistic activities</p> <p><b>UNCRC Articles:</b></p> <p><b>Article 29:</b> Education must develop every child's personality, talents &amp; abilities to the full</p>	<p><b>British Values:</b></p> <p>Develop a use of imagination &amp; creativity in their learning</p> <p>Display a willingness to participate in &amp; respond positively to artistic activities</p> <p><b>UNCRC Articles:</b></p> <p><b>Article 29:</b> Education must develop every child's personality, talents &amp; abilities to the full</p>	<p><b>British Values:</b></p> <p>Develop a sense of enjoyment &amp; fascination in learning about themselves, others &amp; the world around them</p> <p>Develop their ability to recognise the difference between right &amp; wrong</p> <p><b>UNCRC Articles:</b></p> <p><b>Article 13 &amp; 17:</b> Every child has the right to seek &amp; receive all kinds of reliable information from the media or internet, as long as it is within the law</p>	<p><b>British Values:</b></p> <p>Develop a use of imagination &amp; creativity in their learning</p> <p>Display a willingness to participate in &amp; respond positively to artistic activities</p> <p><b>UNCRC Articles:</b></p> <p><b>Article 29:</b> Education must develop every child's personality, talents &amp; abilities to the full</p>

## Year 6 ~ End of Year Expectations

Knowledge ~ Learners should know:	Skills ~ Learners should be able to:
<p>How search engine results are selected &amp; ranked &amp; can provide misleading information</p> <p>How to present information in a way that makes it easier for the audience to understand</p> <p>The potential dangers in using aspects of technology &amp; when &amp; how to alert somebody if they feel uncomfortable</p> <p>Ways to maintain a positive online reputation that doesn't impact others or themselves</p> <p>How to capture evidence of online bullying</p> <p>Common systems that regulate age-related content</p> <p>How technology was developed by key figures</p>	<p>Critically evaluate and reject inappropriate online representation</p> <p>Have an awareness of abstraction when programming</p> <p>Write a program that combines more than one attribute</p> <p>Transfer coding skills between different software</p> <p>Develop a sequenced program that has repetition &amp; variables identified</p> <p>Evaluate the reliability and usefulness of a website</p> <p>Use strategies to avoid being influenced by misinformation online</p> <p>Understand copyright and how to cite references</p>

**Throughout and at the end of unit of work all learners will have been assessed against the relevant year group expectations (knowledge and skills) utilising bespoke Kahoot low-stakes quiz assessments and appropriate assessment tasks.**