Ackworth Howard C of E School

Educating for 'life in all its fullness.'



Computing Curriculum Essential Knowledge

Intent

The children at Ackworth Howard J&I School are digital natives – they are as adept at navigating a touch screen as they are at using a pencil and paper. Growing up in an increasingly digitized world, we understand the importance of giving our children exceptional learning opportunities in Computing.

Having recently invested heavily in tech across school, we are committed to developing an innovative curriculum which offers our children the chance to grow their understanding of digital technology, how to develop computational thinking, and how to stay safe online.

Our children are familiar with new tech, and use it across the curriculum to support their learning. Our facilities, integrated into all the classrooms, include interactive whiteboards and computers, laptops and iPads as well as other experimental tech.

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Mind

To encourage growth in mind, we offer opportunities to develop leadership skills through our Digital Leaders programme, whereby children are trained to take on leadership roles and to support others in computing across the school. Creativity is encouraged throughout the curriculum, such as during our Christmas Hackathon or during cross-curricular work such as retelling the story of Boudicca's rebellion through Scratch.

<u>Body</u>

To encourage growth in body, we aim to equip our children with the knowledge and resilience to use digital technologies responsibly and safely, not only during Safer Internet Week, but throughout the year in response to current events and changing trends in our children's online activities.

<u>Spirit</u>

To encourage growth in spirit, we encourage our children to embrace change, particularly in response to new technologies. We aim to nurture responsible digital citizens, for whom 'society' is global, not just local.

What our children say about Computing...

How much do you enjoy your computing lessons at Ackworth Howard School?

 $\bigstar \bigstar (average rating 8.81/10)$

How confident do you feel in your computing lessons at Ackworth Howard School?

 $\bigstar \bigstar (average rating 7.58/10)$

How much do you enjoy your science computing at Ackworth Howard School?

 $\bigstar \bigstar (average rating 8.26/10)$

Source: February 2020 Pupil Voice Survey (147 responses)

Early Years Computing

Area of Learning	Ackworth Howard's Knowledge Essentials
Personal, Social and Emotional Development	 Three and Four-Year-Olds Increasingly follow rules, understanding why they are important Reception Show resilience and perseverance in the face of a challenge Early Learning Goals Be confident to try new activities and show independence, resilience and perseverance in the face of challenge Explain the reasons for rules, know right from wrong and try to behave accordingly
Physical Development	 <u>Three and Four-Year-Olds</u> Matching their developing physical skills to tasks and activities in the setting <u>Reception</u> Develop their small motor skills so that they can use a range of tools competently, safely and confidently Know and talk about the different factors that support their overall health and wellbeing Sensible amounts of screen time
Understanding the World	 Three and Four-Year-Olds Explore how things work
Expressive Arts and Design	 <u>Reception</u> Explore, use and refine a variety of artistic effects to express their ideas and feelings <u>Early Learning Goals</u> Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function.

Early Years Computing Vocabulary

	Essential Vocabulary					
<u>E-SAFETY</u>	PROGRAMMING	MULTIMEDIA		TECHNOLOGY IN OUR LIVES	DATA HANDLING	
Choices Internet Website	Equipment Buttons Movement	Screen Mouse Images Keyboard Paint		Technology Share Create Internet	Collect Set of photos Count Organise	
 Intended Learning Outcomes Respond to being given responsibility and independence with equipment. Show initiative in using equipment. Test out their experiences of using equipment at home or in other settings. Role play things that they have seen adults do. Apply things they know into a different context. Begin to understand the processes involved in finding information from a computer, or how a piece of technology can help to complete a task. Evidence of using prior knowledge of different devices, gaining 			 N Develop Language Use language Listening c text message this picture? 	Key Vocabulary and Qu relating to equipment e.g. more cursor etc. Names of computer programm oing directional language using related to toys e.g. press, butto ge related to specific objects w with. entre – on, off, play, stop, paus e? Shall I see if there are any er P Explain how you play / use it program do you like? I wonder different way?	nitor, screen, tower, mouse, es and characters. remote control vehicles. con, turn, sound, move etc. hich the children are familiar se, eject etc. Shall we send a mails? Should we photocopy / work it. How do you make if you could have done it a	

National Curriculum	Ackworth Howard's Knowledge Essentials
Pupils should be taught to:	Programming Toys
	 say what an algorithm is
Computer Science	 say why it is important to be precise when writing an algorithm
 understand what algorithms are; how they are 	check their work for mistakes (debug)
implemented as programs on digital devices; and	 program a robot (Bee-Bot) using the arrow buttons
that programs execute by following precise and	 start their programming sequence again if they need to
unambiguous instructions	 check their work for mistakes to debug a program
 create and debug simple programs 	 plan and check an algorithm
 use logical reasoning to predict the behaviour of 	
simple programs	Programming with Scratch
	 open the Scratch and start a new project
	 add new characters and backgrounds
	 use blocks for movement in different directions
	 create short sets of sequenced instructions
	 use different end blocks, including repeat forever
	 change the size of characters to grow or shrink
	 hide and show characters with an instruction block
	 program two or more characters with instructions at the same time

National Curriculum	Ackworth Howard's Knowledge Essentials
 Information technology use technology purposefully to create, organise, store, manipulate and retrieve digital content 	Word Processing Skills Type with two hands Use shift, space and enter correctly Use undo and redo Make text bold, italic or underline Save their work in their folder Edit text using backspace, delete and the arrow keys. Format the font Select single words.
	 Paint with different colours. Paint with different brushes. Create shapes. Save their paintings in their folder. Fill an area with a colour. Undo and redo. Add text.
	Using and Applying• Turn on a computer and open an application• type letters and symbols, including use of the shift key• format text in different ways (bold, italic, underline)• draw different shapes using paint software• use a brush in a paint application and change the size and colour.• click, double-click and drag objects• save and open files• make shapes [in Paint software] the size they desire• position shapes correctly• select and compare different brush types

National Curriculum	Ackworth Howard's Knowledge Essentials
 Digital literacy recognise common uses of information technology beyond school use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies 	 Online Safety type their name and the date on a piece of work they have created choose the correct Safe Search filter when using a search engine make links between the online and offline world recall rules for Internet safety recognise which personal information they should keep safe from strangers help to construct an email.

Year 1 Computing Vocabulary

	Essential Vocabulary				
Programming Toys	Programming with Scratch	Word Processing Skills	Painting	Using and applying	Online safety
Code Left Right Forward Backward Pause Clear Go Program Bee-bot Turn Sequence Quarter half Algorithm	Blocks Character Background Sprite Sequence Move Repeat Repeat forever Invisible Shrink Sound Wait Show Hide Record Start Programs Project predict	Keyboard Backspace Shift Type Folder Enter Symbols Save Return Space bar Arrow keys Delete Undo Redo Select Key Bold Italics Underline format	Paint Brush Colour Tools Bucket Text Shape Screen Mouse Type Computer Draw Undo Redo Save Open	This unit, coming at the end of the academic year, incorporates all the vocabulary learnt in the previous topics.	Online Key Safe Communicate Meet Email Accept Address Reliable Tell Device Keyboard Search engine Image Text Save Folder Name date copyright

National Curriculum	Ackworth Howard's Knowledge Essentials
Pupils should be taught to:	 Preparing for Turtle Logo Walk forward a number of steps.
 Computer Science understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions 	 Turn accurately 90° (a quarter turn). Walk squares and rectangles. Give and follow instructions.
 create and debug simple programs use logical reasoning to predict the behaviour of simple programs 	 Programming Turtle Logo & Scratch Draw lines of different lengths using the fd command. Move blocks into the Scripts Area. Snap blocks together to combine commands. Turn the turtle using rt 90 and lt 90. Draw squares and rectangles. Create simple algorithms using a number of different blocks. Use the repeat and green flag blocks to control algorithms.

National Curriculum	Ackworth Howard's Knowledge Essentials
Information technology • use technology purposefully to create, organise, store, manipulate and retrieve digital content	 Presentation Skills Insert slides, add and type in a text box Create folders. Print files. Add images. Format text and text boxes Computer Art access an appropriate program for achieving a specific task; switch between program tools to produce different techniques; alter the formatting of a tool to adjust the colour or size. recreate a piece of art using a computer program; manipulate shapes and objects to recreate an art style. Using and Applying find and open software for creating computer art; add text and images to a presentation; retrieve/open a file from a saved location; select a relevant backdrop and character within Scratch; add as econd character and position on the backdrop within Scratch. control the mouse to produce different effects (dots/lines); use computer paint skills in a new context; add new slides to a presentation with a main idea on each slide; insert and reorder slides;

National Curriculum	Ackworth Howard's Knowledge Essentials
 Digital literacy recognise common uses of information technology beyond school use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies 	Online Safety • know what 'digital footprint' means • know that people can use the information they put online • know that a digital footprint contains information about a person • identify keywords that will give good search results • use a website to search for information • begin to identify possible dangers online • identify websites suitable for their age • know when to ask an adult for advice about accessing a website • know what to do if a website makes them uncomfortable • talk about what people might want to know about a website • give their opinion about a website • give their opinion about a website • begin to consider who a website could be aimed at • identify unkind online behaviour • know what to do if they think someone is being unkind to them online • know how to safely search for information online • know how to safely search for kids" • follow a weblink • locate their own blog • understand how to blog safely and responsibly • identify search results that will give some useful information • know where to find the address of a link • log in and post a blog or comments.

Year 2 Computing Vocabulary

	Essential Vocabulary				
Preparing for Turtle Logo Move Forward Half turn Quarter turn Turn Square Rectangle Instructions Right / left 90 Forward 4 Commands algorithm	Programming Turtle Logo and Scratch Repeat Right (rt) Forward (fd) Left (lt) Sound Turn Instructions Clear screen (cs) Commands move Variable algorithm	Presentation skills Log off Search Shut down Folder Image Format Colour Black and white Photo Double sided Copy Windows Switch Monitor Insert Print Date System unit	Computer ArtProgramToolFillStraight linesPrimary coloursWeightManipulateRotateShadeHarmoniousComplementaryDuplicateCopy and pasteSelectiveCombinationreviewPointillismCubismImpressionismPop art	Online safetyDigitalOnlineSearchKeywordWebsiteSearch engineCyberbullyingInformationPersonalPrivateProfileAccountBullyingReportPhoneLaptopTabletAppcommentDigital footprint	Using the internet Internet World wide web Search Search engine Results Google Bing Yaho Kidrex Browser Link Web page Back Reload Research Photo Camera Tablet Upload blog

National Curriculum	Ackworth Howard's Knowledge Essentials
 Pupils should be taught to: Computer Science design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts use sequence, selection, and repetition in programs; work with variables and various forms of input and output use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs 	 Programming Turtle Logo & Scratch Create and debug algorithms to draw regular polygons using the repeat command/ block (Turtle Logo and Scratch) Draw shapes with spaces between using penup and pendown (Turtle Logo) Change and alter the pen settings (Scratch)

	ckworth Howard's Knowledge Essentials
 use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information Prevention 	ford Processing Skills Use undo and redo. Make text bold, italic or underline. Select text in different ways. Change case. Align text. Select single words. Cut, copy and paste text. Format the font. Insert images. Copy a screenshot into another application. Use a secure password. Use keyboard shortcuts. resentation Skills Create a simple presentation Create a simple presentation Create a hyperlink to another slide Use slide transitions Insert audio and video files (where possible) Record audio onto a slide Plan a branching story Create simple slide templates Copy and organise slides as required raving and Desktop Publishing Draw objects. Insert text boxes and images. Order and group objects.

National Curriculum	Ackworth Howard's Knowledge Essentials
Digital literacy use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact. 	Online Safety • recognise cyberbullying • identify a safe person to tell if they encounter cyberbullying • know that cyberbullying can happen via a range of devices • identify a targeted advert • explore how companies use websites to promote products • create a strong password • explain why a strong password is important • explain why a strong password is important • explain what privacy settings are • discuss email as a form of communication • identify an email that they should not open • write an email with an address and subject • know how to safely send an email • know how to safely receive an email • identify different forms of online communication • identify different forms of online communication • discuss the positive and negative aspects of online communities • discuss the positive and negative aspects of online communities • discuss what they have learnt about online safety • communicate their ideas with a group clearly and listen to others' contributions • use what they know about online safety to plan a party using online methods

Year 3 Computing Vocabulary

Essential Vocabulary					
Programming Turtle Logo and Scratch Pen up Pen down Variable Algorithm Right (rt) Forward (fd) Left (lt) Turn Calculation Instructions Clear screen (cs) Commands move	Word processing skills Keyboard Typing Save Folder Shift Caps lock Space bar Edit Backspace Delete Arrow keys Undo Redo Select Window Minimise Password Screenshot Snipping tool	EssentialPresentation skillsThemeTransitionAnimationSlideLinkFile formatHyperlinkButtonShapeAction settingsAudioVideoEmbedEvaluateBranching storyImageTextText boxTitle	Vocabulary Drawing and desktop publishing Text Text box Format Image Photo Photograph Wrap text Square Aspect ratio Objects Layout Background Outline Font Size colour	Internet Research and Communication Webpage Social media Search Link Bing Google Yahoo	Online safety Online Internet Cyberbullying Email Password Device Digital Safety Technology Social media Website Advertisement Privacy settings Secure Digital citizen Digital footprint Community Inbox Forum
	Select Window Minimise Password	Evaluate Branching story Image Text Text box	Outline Font Size		Secure Digital citizen Digital footprint Community Inbox

National Curriculum	Ackworth Howard's Knowledge Essentials
 Pupils should be taught to: Computer Science design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts use sequence, selection, and repetition in programs; work with variables and various forms of input and output use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs 	 Scratch: Questions and Quizes Write a program which accomplishes a specific goal. Create a program that includes a logical sequence. Debug a program they have written Use repetition and selection. Work with variables and adjust these depending on the effect they wish to create. Understand and use the duplicate function. Demonstrate that they understand how to combine a range of different effects to create their own quiz. Programming Turtle Logo Write procedures using simple algorithms. Change the colour of the pen. Write text using the label command. Draw shapes using setpos or setxy. Fill shapes in different sizes as required

National Curriculum	Ackworth Howard's Knowledge Essentials
 Information Technology use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information 	 Word Processing select, edit and manipulate text in different ways insert an image into a document format an image use formatting tools to improve the layout use the spellcheck tool insert a simple table change the size of the page use some of the main keyboard shortcuts suggest ways to improve a layout apply specific effects to an image add a spelling to the spelling dictionary add or delete rows or columns in a table suggest ways to change a table type at an appropriate speed choose a relevant website to link a document to create a hyperlink.
	 Animation Explain what is meant by animation Create a series of linked frames that can be played as a short animation. Control and adjust a time slider to locate a different point in a film clip. Insert images to create a simple stop-motion animation short film clip. Evaluate the good and bad points about some animation software. Describe one or more traditional methods of animation. Make slight changes to an image using onion skinning, understanding the term. Use a time slider to find a specific point in a film clip to insert or edit an object. Edit and refine images in a stop-motion animation short film clip. Compare different animation software by analysing good and bad points.

National Curriculum	Ackworth Howard's Knowledge Essentials
 Digital literacy understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact. 	Online Safety • define cyberbullying • know how to respond to a hurtful message or comment online • access a trusted search engine • understand that different search terms give different results • know what plagiarism is • identify which information to keep private online • explain what digital citizenship is • tell someone else at least one way to stay safe online • identify comments or messages that may be hurtful to others • edit their own messages and comments to make sure they are kind • understand that search results are ranked • choose an appropriate number of words for a search term • explain how to use other people's work respectfully • explain how to be a good digital citizen • tell someone else more than one way to stay safe online

Year 4 Computing Vocabulary

		Essential Vocabulary		
Scratch: Questions and Quizzes	Programming Turtle Logo	Word Processing	Animation	Online Safety
Algorithm Costume Quiz Effects Sprite Scratch library sounds Scratch library costumes Scratch library backdrops Sound Backdrop Variable Blocks question	Pen up Pen down Variable Algorithm Turn Right (rt) Forward (fd) Left (lt) Calculation Instructions Clear screen (cs) Commands move	Hyperlink Insert Toolbar Text Format Edit Font type Font colour Font size Align Paste Copy Bullet Text box Wrap Save Spellcheck Review Highlight cursor	Frame rate Play Stop Record Onion skinning Thaumatrope Zoetrope Flip book Animation Zoopraxiscope Stereoscope Loop Still image Analyse Evaluate Stop motion	Online Safety Cyberbullying Message Search Search engine Search results Plagiarism Citation Social media Profile Account Private Public Digital citizen Responsibility Community Personal information Share permission

National Curriculum	Ackworth Howard's Knowledge Essentials
 Pupils should be taught to: Computer Science design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts use sequence, selection, and repetition in programs; work with variables and various forms of input and output use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs 	 Scratch – Developing Games move and edit blocks as part of an algorithm. program an algorithm as a sequence of game instructions with actions and consequences. Controlling Devices Follow written instructions to draw a simple flowchart Insert symbols into a flowchart Add inputs into a flowchart. Identify conventional symbols, understanding the process of each stage. Create a program to control a simple sequence. Modify symbols in a flowchart for effect. Create flowcharts for multiple inputs and outputs. Use decisions and subroutines. Program inputs and outputs

National Curriculum	Ackworth Howard's Knowledge Essentials
 Information Technology use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information 	Internet Research and Webpage Design • Comment on the features and layout of a webpage. • Create a new webpage with a chosen layout and format text in the webpage. • Independently search for images that can be used in documents. • Insert and format an image in a webpage. • Independently create a hyperlink • Learn how to share a webpage so it can be viewed by anyone. • Use the advanced features of Google's web search 3D Modelling • Draw 2D shapes or lines. • Draw 2D shapes or lines. • Draw Sumple 3D models • Manipulate 2D shapes into 3D shapes. • Import 3D models from the 3D warehouse. • Use a range of SketchUp tools including: shape, push, pull, orbit, pan, zoom, erase and fill. • Draw and manipulate 3D models independently. Use inference points to draw lines and shapes. • Use a wide range of SketchUp tools and concepts including: the dimensions toolbar and guides, tape measure, zoom extents and the 3D warehouse. • Use a wide range of SketchUp tools and concepts including: the dimensions toolbar and guides, tape measure, zoom extents and the 3D warehouse. • Use a and play their own sounds in recording software • Import an existing sound file into recording software • Import an existing sound file into recording software to play • Choose appropri

National Curriculum	Ackworth Howard's Knowledge Essentials
 Digital literacy understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact. 	Online Safety identify a spam email explain what to do with spam email understand why they should cite a source explain the rules for creating a strong password create a strong password using a set of rules know that not everything they see online is true explain how to stay safe online identify unsafe online behaviour identify a dangerous spam email create multiple strong passwords for use across different platforms spot citations online alter a photograph.

Year 5 Computing Vocabulary

Essential Vocabulary					
Scratch: Developing Games Repeat Score Variable Block Level Costume Sprite Commentary Backdrop Code Debug Events Scripts algorithm	Controlling devices Delay Output Start Stop Flowchart Decision Loop Symbol Input Mimic subroutine	Internet Research and webpage design Internet World wide web Search Search engine Google Browser Tab Window Layout Text Font Colour Image Video Animation Website Hyperlink Share	3D modelling 2D shape 3D shape Rectangle Move Push Pull eraser Zoom Zoom extents Group Dimension Measurement Component Rotate Offset Pan Orbit inference	Radio StationPlayStopRecordSkipDigital contentMutePodcastOutputInputSoundDownloadJingleAudioVoiceoverEditWaveformgain	Online Safety Spam Email Link Attachment Junk Inbox Research Password Secure Photo Social media Personal information Digital citizen Filter Source Edit Plagiarism Bibliography Cite citation

National Curriculum

Pupils should be taught to:

Computer Science

- design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts
- use sequence, selection, and repetition in programs; work with variables and various forms of input and output
- use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs

Ackworth Howard's Knowledge Essentials

Scratch: Animated Stories

- Select appropriate characters to match a scene.
- Animate characters with movement and speech in a story scene.
- Use broadcast and receive blocks correctly in code.
- Use show and hide blocks correctly in code.
- Create a sequence of story scenes with added audio.
- Structure and sequence the animation of characters in each scene.
- Use the repeat command to create animation effect.
- Make a character visible or invisible at the correct times.

Kodu Programming

- Open Kodu and navigate the programming environment using keyboard or mouse.
- Add objects to a world and program them using When and Do instructions.
- Plan and design the features of an original virtual environment.
- Program a character to move around a track.
- Create a path for a character to follow.
- Follow instructions given in the Kodu programming environment.
- Describe the actions of a sequence of Kodu commands.
- Use tools to change the size of the ground and raise or lower the landscape.
- Decompose code into smaller parts and explain it in their own words.
- Create a race track with an end goal for a game.
- Program a character to follow a path.

National Curriculum	Ackworth Howard's Knowledge Essentials
 Information Technology use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information 	 Spreadsheets Enter text and numbers into a spreadsheet. Identify and refer to cells by row and column. Begin to enter formulae with the SUM function Be able to enter formulae into cells. Edit data and discuss the effect on results. Use further functions including AVERAGE, MIN and MAX. Create graphs. Design their own spreadsheet for a specific purpose Film-Making plan and write a script using appropriate software search for relevant information using appropriate websites use a digital video camera (or similar device) to record plan suitable questions to ask an interviewee import video files into video editing software. plan additional elements for film-making such as locations and props evaluate whether information is reliable or not speak clearly into the camera when being recorded frame an appropriate filming shot when interviewing arrange video files to form a complete film

National Curriculum	Ackworth Howard's Knowledge Essentials
 Digital literacy understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact. 	Online Safety say what bullying and cyberbullying are say how people should deal with cyberbullying understand why I should ask an adult if I am unsure identify warning signs that a website might not be secure identify personal information explain what to do if I am asked or told something online which makes me uncomfortable explain some of the dangers of revealing personal information to an online friend choose an appropriate action online to stay safe identify a situation I should be careful in online understand how a stereotype can be harmful. look in the address bar of a website so check for security identify the lock symbol in an address bar explain why someone might have an online friendship explain what a stereotype is compare gender stereotypes.

Year 6 Computing Vocabulary

Scratch: Animated storiesKodu programmingSpreadsheetsFilm-makingOnline safetyAnimateWorldSpreadsheetDocumentaryCyberbullyingVisibleSmoothCellFilmReportingInvisibleFlattenRowProductionAnonymousProjectRaiseColumnPre-productionVictimShowKoduFormulaPost-productionSecurityHideStartCalculateImproviseSecureReceiveFinishFormatInterviewPrivateBroadcastProgramAverageLocationPersonalUserEnvironmentPercentPropPolicyAudioBumpInsertSourceDomainDebugObstacleAscendingShotMediaRecordObjectDescendingAngleAttachments	Essential Vocabulary					
VisibleSmoothCellFilmReportingInvisibleFlattenRowProductionAnonymousProjectRaiseColumnPre-productionVictimShowKoduFormulaPost-productionSecurityHideStartCalculateImproviseSecureReceiveFinishFormatInterviewPrivateBroadcastProgramAverageLocationPersonalUserEnvironmentPercentPropPolicyRepeatAccelerationEditCopyrightHttpsAudioBumpInsertSourceDomainDebugObstacleAscendingShotMediaRecordObjectDescendingAngleAttachments	Scratch: Animated stories	Kodu programming	<u>Spreadsheets</u>	Film-making	Online safety	
IterationTrackSortClose-upSitePathGraphFrameBrowserNodeBudgetZoomGenderCharacterTotalImportStereotypeTool palettecumulativeConvertMessageUploadInstant messaging	Animate Visible Invisible Project Show Hide Receive Broadcast User Repeat Audio Debug	World Smooth Flatten Raise Kodu Start Finish Program Environment Acceleration Bump Obstacle Object Track Path Node Character	Spreadsheet Cell Row Column Formula Calculate Format Average Percent Edit Insert Ascending Descending Descending Sort Graph Budget Total	Documentary Film Production Pre-production Post-production Improvise Interview Location Prop Copyright Source Shot Angle Close-up Frame Zoom Import Convert	Cyberbullying Reporting Anonymous Victim Security Secure Private Personal Policy Https Domain Media Attachments Site Browser Gender Stereotype Message	

Aspirational Outcomes...

- All children to be discerning users of the internet and to have an understanding of when to use it.
- To be confident and creative users, open to new ideas of learning.
- To treat all equipment with respect.
- To use technology safely and respectfully: keeping personal information private, identify steps needed to remain safe and where to go for support.
- Children to start to use technology purposefully in a range of context ensuring that the end product if fit for purpose.
- To gather the knowledge and understanding to become an active participant in the digital world.