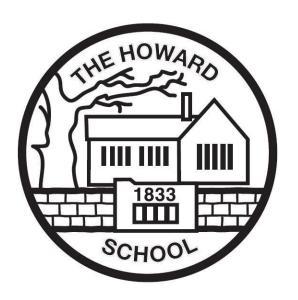
Ackworth Howard C of E School

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.



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.



Body

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.



Spirit

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?

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

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

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

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

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

Source: February 2020 Pupil Voice Survey (147 responses)

Essentials for Computing...

- 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.

Early Years Computing

	Autumn Term					
Area of Learning:		Nursery	Reception			
Understanding the World	Computing Links	Mark make on paint software on the Interactive Whiteboard Can play simple games on the Interactive Whiteboard by pressing buttons Children can switch a camera on and off	Select brushes, colours and rubbers when drawing on paint software Can play simple games on the Interactive Whiteboard by dragging and dropping items Children can record videos on the camera Children know to ask for help if needed			
Vocabulary	Computing Links	Computer, laptop, iPad, tablet, button, app, control, Beebot, headphones, Picture, video, play / pause, colour, size, paintbrush	Computer, laptop, iPad, tablet, button, app, control Picture, video, play / pause, colour, size, paintbrush			

Early Years Computing

	Spring Term					
Area of Learning:		Nursery	Reception			
Understanding the World	Computing Links	Select brushes, colours and rubbers when drawing on paint software Can play simple games on the Interactive Whiteboard by dragging and dropping items Children can take photos on the camera	Use various tools such as brush, pens, stamps, erasers and shapes with support Children can independently change games or increase levels of difficulty on games Children can edit photos Children know what personal information is and know that it should not be shared online			
Vocabulary	Computing Links	Computer, laptop, iPad, tablet, button, app, control, Beebot, headphones, Picture, video, play / pause, colour, size, paintbrush	Computer, laptop, iPad, tablet, button, app, control Picture, video, play / pause, colour, size, paintbrush			

Early Years Computing

	Summer Term				
Area of Learning:		Nursery	Reception		
Understanding the World	Computing Links	Select brushes, colours and rubbers when drawing on paint software Can play simple games on the Interactive Whiteboard by dragging and dropping items Children can record videos on the camera Children know to ask for help if needed	Use various tools such as brush, pens, stamps, erasers and shapes with support Children can independently change games or increase levels of difficulty on games Erases content and understands how to charge the cameras Children know what personal information is and know that it should not be shared online		
Vocabulary	Computing Links	Computer, laptop, iPad, tablet, button, app, control, Beebot, headphones, Picture, video, play / pause, colour, size, paintbrush	Computer, laptop, iPad, tablet, button, app, control Picture, video, play / pause, colour, size, paintbrush		

Pupils should be taught to: Computer Science understand what algorithms are; how they are implemented as Programming Toys say what an algorithm is say why it is important to be check their work for mistakes	are size when writing an algorithm
programs on digital devices; and that programs execute by following precise and unambiguous instructions create and debug simple programs use logical reasoning to predict the behaviour of simple programs programs on digital devices; and that programs execute by start their programming sequences the content of the program a robot (Bee-Bot) uses the content of the program a robot (Bee-Bot) uses the content of the program a robot (Bee-Bot) uses the content of the program a robot (Bee-Bot) uses the content of the program a robot (Bee-Bot) uses the content of the program a robot (Bee-Bot) uses the content of the program a robot (Bee-Bot) uses the content of the program a robot (Bee-Bot) uses the content of the program a robot (Bee-Bot) uses the content of the program a robot (Bee-Bot) uses the content of the program a robot (Bee-Bot) uses the content of the program a robot (Bee-Bot) uses the content of the program a robot (Bee-Bot) uses the content of the program a robot (Bee-Bot) uses the content of the program a robot (Bee-Bot) uses the content of the program a robot (Bee-Bot) uses the content of the program a robot (Bee-Bot) uses the program a robot (Bee-Bot) uses the content of the program a robot (Bee-Bot) uses the content of the program a robot (Bee-Bot) uses the content of the program a robot (Bee-Bot) uses the content of the program a robot (Bee-Bot) uses the content of the program arobot (Bee-Bot) uses the program arobot (Bee-Bot) uses the content of the program arobot (Bee-Bot) uses the content of the program arobot (Bee-Bot) uses the program arobo	sing the arrow buttons sence again if they need to set to debug a program new project grounds lifferent directions ed instructions uding repeat forever to grow or shrink

National Curriculum	Ackworth Howard's Knowledge Essentials
Information technology use technology purposefully to create, organise, store, manipulate and retrieve digital content under the digital content to the digit	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. Painting 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.

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 Aspirational vocabulary Algorithm	Blocks Character Background Sprite Sequence Move Repeat Repeat forever Invisible Shrink Sound Wait Show Hide Record Start Aspirational vocabulary Programs Project	Keyboard Backspace Shift Type Folder Enter Symbols Save Return Space bar Arrow keys Delete Undo Redo Select Key Bold Italics Underline Aspirational vocabulary	Paint Brush Colour Tools Bucket Text Shape Screen Mouse Type Computer Draw Undo Redo Save Open Aspirational vocabulary	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 Aspirational vocabulary
	predict	format			copyright

National Curriculum	Ackworth Howard's Knowledge Essentials
Pupils should be taught to: 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 create and debug simple programs use logical reasoning to predict the behaviour of simple programs	 Preparing for Turtle Logo Walk forward a number of steps. Turn accurately 90° (a quarter turn). Walk squares and rectangles. Give and follow instructions 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
• 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; say what they like and dislike 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; choose appropriate websites for their age. Using the Internet search using the words "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	Programming Turtle Logo and Scratch Repeat Right (rt) Forward (fd) Left (lt) Sound Turn Instructions Clear screen (cs)	Presentation skills Log off Search Shut down Folder Image Format Colour Black and white Photo	Computer Art Program Tool Fill Straight lines Primary colours Weight Manipulate Rotate Shade	Online safety Digital Online Search Keyword Website Search engine Cyberbullying Information Personal	Using the internet Internet World wide web Search Search engine Results Google Bing Yaho Kidrex
Forward 4 Aspirational vocabulary Commands algorithm	Commands move Aspirational vocabulary Variable algorithm	Double sided Copy Windows Switch Monitor Insert Print Date Aspirational vocabulary System unit	Harmonious Complementary Duplicate Copy and paste Selective Combination review Aspirational vocabulary Pointillism Cubism Impressionism Pop art	Private Profile Account Bullying Report Phone Laptop Tablet App comment Aspirational vocabulary Digital footprint	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)

National Curriculum

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

Ackworth Howard's Knowledge Essentials

Word 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.

Presentation Skills

- Create a simple presentation
- Create shapes
- 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

Drawing and Desktop Publishing

- Draw objects.
- Insert text boxes and images.
- Order and group objects.
- Move, resize and arrange text boxes and images effectively

National Curriculum Ackworth Howard's Knowledge Essentials Internet Research and Communication **Digital literacy** • To know and understand how word order affects the results returned. • understand computer networks including the internet; how they They will know how to bookmark or favourite a page and name different types of online communication. can provide multiple services, such as the world wide web; and the • Children will know what to do if they feel uncomfortable when communicating online. opportunities they offer for communication and collaboration • They will be able to identify how they should behave online. use technology safely, respectfully and responsibly; recognise Identify which word order gives the better results when searching online and be able to support this with examples. acceptable/unacceptable behaviour; identify a range of ways to They will be able to share a webpage with others. report concerns about content and contact. Children will be able to research the different types of online communication used by their peers. 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 adverts online identify a targeted advert explore how companies use websites to promote products create a strong password 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 online communities they are a part of identify different forms of online communication discuss the positive and negative aspects of online communities discuss the differences between communication in real life and online 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

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 Aspirational vocabulary	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 shortcut	Presentation skills Theme Transition Animation Slide Link File format Hyperlink Button Shape Action settings Audio Video Embed Evaluate Branching story Image Text Text box Title Colour	Drawing and desktop publishing Text Text box Format Image Photo Photograph Wrap text Square Aspect ratio Objects Layout Background Outline Font Size colour Aspirational vocabulary	Internet Research and Communication Webpage Social media Search Link Bing Google Yahoo Aspirational vocabulary	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 comments
	Aspirational vocabulary	Aspirational vocabulary			

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 colours. Draw arcs of 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 why it may be dangerous to share private information 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 simple 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.

Radio Station

- Record and play their own sounds in recording software
- Import an existing sound file into recording software to play
- Choose appropriate software for sound recording
- Plan and record a radio advert
- Listen to and improve on their own recordings by re-recording
- Locate and download existing sound files to be imported into recording software
- Combine two or more tracks to make a new, original recording
- Plan and record appropriate audio content for a podcast
- Evaluate what features makes good quality audio content

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	Controlling devices Delay Output	Internet Research and webpage design Internet	3D modelling 2D shape 3D shape	Radio station Play Stop	Online safety Spam Email	
Score Variable Block Level Costume Sprite Commentary Backdrop Code Debug Events Scripts algorithm	Start Stop Flowchart Decision Loop Symbol Input Mimic Aspirational vocabulary subroutine	World wide web Search Search engine Google Browser Tab Window Laout Text Font Colour Image Video Animation Website Hyperlink Share	Rectangle Move Push Pull eraser Zoom Zoom extents Group Dimension Measurement Component Rotate Aspirational vocabulary Offset Pan Orbit inference	Record Skip Digital content Mute Podcast Output Input Sound Download Jingle Audio Voiceover Edit Aspirational vocabulary Waveform gain	Link Attachment Junk Inbox Research Password Secure Photo Social media Personal information Digital citizen Filter Source Edit Plagiarism Bibliography Aspirational vocabulary Cite citation	

National Curriculum Ackworth Howard's Knowledge Essentials Pupils should be taught to: **Scratch: Animated Stories** • Select appropriate characters to match a scene. **Computer Science** • Animate characters with movement and speech in a story scene. design, write and debug programs that accomplish specific goals, Use broadcast and receive blocks correctly in code. including controlling or simulating physical systems; solve • Use show and hide blocks correctly in code. problems by decomposing them into smaller parts • Create a sequence of story scenes with added audio. use sequence, selection, and repetition in programs; work with • Structure and sequence the animation of characters in each scene. variables and various forms of input and output • Use the repeat command to create animation effect. use logical reasoning to explain how some simple algorithms work Make a character visible or invisible at the correct times. and to detect and correct errors in algorithms and programs **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 the SMART acronym means explain what a stereotype is compare gender stereotypes.

Year 6 Computing Vocabulary

Essential Vocabulary				
Scratch: Animated stories	Kodu programming	Spreadsheets	Film-making	Online safety
Animate Visible	World Smooth	Spreadsheet Cell	Documentary Film	Cyberbullying Reporting
Invisible Project Show Hide Receive Broadcast User Repeat Audio	Flatten Raise Kodu Start Finish Program Environment Acceleration	Row Column Formula Calculate Format Average Percent Edit Insert	Production Pre-production Post-production Improvise Interview Location Prop Copyright Source	Anonymous Victim Security Secure Private Personal Policy Https Domain
Debug Record Aspirational vocabulary	Bump Obstacle Object Track Path Node	Ascending Descending Sort Graph Budget	Shot Angle Close-up Frame Zoom	Media Attachments Site Browser Gender
Iteration	Character Tool palette	Aspirational vocabulary cumulative	Import Convert Upload screening	Stereotype Message Instant messaging