



Computing Subject knowledge, discipline and vocabulary

Year 5 Autumn

Unit	Sharing Information	Video Editing
Previous Learning	<ul style="list-style-type: none">• I can identify inputs, processes and outputs.• I can explain how computers can connect to other networks.• I can explain how computers are connected to the World Wide Web.	<ul style="list-style-type: none">• I can capture, manipulate and edit audio clips• I can capture, manipulate and edit digital images• I can use computer devices to edit
Subject Knowledge (what)	<p>Understanding how information is shared through networks and devices.</p> <p>NC:</p> <ul style="list-style-type: none">- 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- 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- 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- Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact. <ul style="list-style-type: none">• Computers can be connected to form systems• Computers communicate with other devices (incl. other computers)• Data is transferred using agreed protocols (methods)• Data is transferred in packets• Connections between computers allow us to access shared stored files• Internet connections allow people to work together from separate locations• Internet collaborations can be public or private	<p>Understanding how to create and edit video files.</p> <p>NC:</p> <ul style="list-style-type: none">- <i>Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content</i>- <i>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</i>- <i>Use technology safely, respectfully, and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact</i> <ul style="list-style-type: none">• Videos are moving pictures that can be combined with audio• Digital devices can capture video using a camera• Video can be captured automatically• Videos can be improved through editing

Subject Discipline (how)	<ul style="list-style-type: none">• Explore different types of inputs, processes and outputs, using real-world examples• Explore the role of computer systems in our lives• Use computer devices to access shared data• Use computer devices to work collaboratively• Evaluate different ways of working together	<ul style="list-style-type: none">• Review existing video content• Use storyboards to plan videos• Use computer devices and features (incl. tilt, focus, zoom and effects) to capture videos• Use computer devices to play back and review videos• Use computer devices to edit videos (e.g. apply effect, delete, split and crop)• Save an export files• Evaluate results of editing videos
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Key Vocab

- **Input-** something that puts data into a computer
- **Output-** the outcome of process
- **System-** a set of things working together
- **Digital-** technology that generates, stores and processes data
- **Connection-** a link between two things
- **Process-** a program running on a computer
- **Protocol-** an established set of rules that determine how data is transferred between different devices in the same network
- **Packets-** a small segment of a larger message
- **Chat-** a real-time communication via keyboard between two or more users
- **Remix-** a modified or shared version of an uploaded project in Scratch
- **Collaboration-** working with others to create something
- **Evaluate-** assess a project.
- **Import-** to convert a file from one application to another
- **Export-** to save a copy of the current open document, database, image or video into a file format required by a different application
- **Audio-** relating to sound waves; something we can hear
- **Video-** moving pictures
- **Record-** to make a file of a sound or image
- **Playback-** media files that are accessed after their initial creation
- **Talking head-** presenter or reporter on television who addresses the camera and is viewed close up
- **Panning-** swiveling a video camera horizontally from a fixed position
- **Close up-** filming one person, emphasising the expression on their face
- **Microphone-** a device that captures audio
- **Edit-** making additions, deletions or other changes to a file
- **Lens-** an object that focuses or defocuses the light that passes through it
- **Long shot-** filming one person, showing their whole body and where they are
- **Moving subject-** a subject that is in motion during whilst recording
- **Side by side-** filming two people at the same time
- **Static Camera-** the camera is in a fixed position
- **Trim-** to shorten a section of video
- **Reshoot-** to record a section of video again