



Computing Subject knowledge, discipline and vocabulary

Year 4 Autumn

Unit	The Internet	Audio Editing
Previous Learning	<ul style="list-style-type: none">I can explain how a computer network can be used to share information.	<ul style="list-style-type: none">I can identify inputs, processes and outputsI can describe how files have ownershipI can use computer devices to edit
Subject Knowledge (what)	<p>Understanding the connections made using the internet.</p> <p>NC:</p> <ul style="list-style-type: none"><i>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</i><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">Networks can be connected to other networksGlobal interconnection of network is the internetInformation can be shared using the World Wide WebThe World Wide Web is part of the internetSecurity is required on the internet to keep yourself and information safeThe internet enables us to view the World Wide WebThe World Wide Web comprises of websites and web pages	<p>Understanding how to create and edit audio 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">Sound can be digitally recordedSome digital devices have microphonesRecorded audio is stored as a fileAudio can be edited and alteredSound can be layered
Subject Discipline (how)	<ul style="list-style-type: none">Explore and explain how to access the World Wide WebExplore the types of content/media that can be added, created and shared on the World Wide WebExplain how the content of the World Wide Web is create, owned and shared by peopleExplore the limitations and benefits of the World Wide WebEvaluate the reliability of content and the consequences of	<ul style="list-style-type: none">Identify the elements on a device used to record soundPractising recording audioLocate recorded audioPlayback and edit recorded audioApply effects to a section of audioSave/export an audio file

	unreliable content	
Key Vocab	<ul style="list-style-type: none"> • Network- two or more computers that are connected. • Network switch- a device that connects other devices together. • Server- a computer that manages the network and stores files. • Wireless Access Point- a networking device that allows Wi-Fi devices to connect to a network. • Internet- global computer network • Router- a device that communicates between the internet and computer devices • Network security- a set of rules to protect confidentiality and accessibility of computer devices • Webpage- a hypertext document on the World Wide Web • Website- a set of related web pages under the same domain name • Web address- the information about the location of a webpage (the URL) • Routing- the process of selecting a path across one or more networks • Web Browser- an application used to access and view websites • World Wide Web- a system on the internet which allows documents to be connected to other documents using hypertext • Content- creative element (e.g. text, images, applications, emails) • Links- a reference to data that the user can follow by clicking or tapping • Files- a common storage unit in a computer • Download- act of moving or copying a file or program from a larger computer system to another computer or device • Sharing- to send a file to another device • Ownership- the individual, computer or program that created a file or document • Information- the processed data on which decisions and actions are based • Adverts- the promotion of a product, brand or service 	<ul style="list-style-type: none"> • Input- something that puts data into a computer • 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 • Output- the data sent from a computer • Audio- relating to sound waves; something we can hear • Record- to make a file of a sound or image • Playback- media files that are accessed after their initial creation • Speaker- an output device that connects to a computer to generate sound • Microphone- a device that captures audio • Podcast- an episodic series of spoken-word digital audio files • Selection- a specific section of a code/file to run • Edit- making additions, deletions or other changes to a file • Mixing- the process of combining multiple tracks into one file • Time shift- recording of programming to be viewed at a more convenient time • MP3- the format of digital audio • Feedback- reactions to a product, used as a basis for improvement