

Progression Pathway through Computing

Purple = P4 – P5

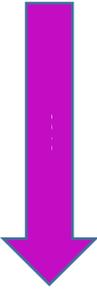
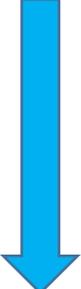


Blue = P6 – P8



Green = NC Steps 1 - 2



  	<p>WHAT IS A COMPUTER?</p> <ul style="list-style-type: none"> • Explore technology • Recognise different digital devices, e.g. computer, laptop, tablet. • Understand that different devices are used for different purposes, e.g. camera to take photo. • Choose appropriate technology from a limited selection to fulfil a familiar task. • Access content using an appropriate access device • Understand that you can access the same content on different devices. • Name a range of digital devices • Name the basic parts of a computer, e.g. mouse, screen, keyboard • Identify key parts of a keyboard, e.g. spacebar, numbers and letters • Use an appropriate access device to target and select options on screen • Explain what the basic parts of a computer are used for, e.g. mouse, screen, keyboard • Use a keyboard or other access device to add text to a document • Understand that you can share digital content • Understand that work saved on one computer can be opened on a different computer within school • Recognise that a range of devices contain computers, e.g. washing machine, car, laptop • Understand that computers have no intelligence and we have to program them to do things • Understand that the Internet is made up of computers from all around the world connected together • Recognise and use a range of input devices, e.g. mouse, keyboard, microphone • Recognise and use a range of output devices, e.g. printer, speakers, monitor • Understand that we use different hardware and software to fulfil different tasks
 	<p>COMMUNICATION: MULTIMEDIA</p> <p>Pupils:</p> <ul style="list-style-type: none"> • Use technology to explore and access digital content • Operate a digital device with support to fulfil a task • Demonstrate a preference for a piece of content from a selection • Select basic options in a familiar application • Create simple digital content • Independently operate a digital device to fulfil a familiar task • Choose media from a selection for a given purpose • Select media to convey information • Use a range of technologies • Present information using appropriate software with support

Progression Pathway through Computing

	<ul style="list-style-type: none"> • Demonstrate an understanding that information and media can be stored on a digital device • Choose a digital device from a selection to complete a specific task • Select basic options to change the appearance of digital content • Understand that you can edit and change digital content • Understand that you can store information on a computer • Make judgements about suitability of media to present information on a topic • Combine text and images to present information with support • Apply simple edits to digital content in order to improve it • Know where to save and open work • Plan out digital content • Present ideas and information by combining media independently • Edit digital content to improve it • Talk about what makes digital content good or bad
	<p>COMMUNICATION: DATA</p> <p>Pupils:</p> <ul style="list-style-type: none"> • Access content in a range of formats, e.g. image, video, audio • Choose between media in different formats • Identify objects of a single category • Count 1 or more in a digital resource • Sort familiar objects into 2 given categories • Understand you can control video and audio, e.g. play, stop, restart • Select media to convey information • Count 1-5 in a digital resource • Collect simple data (e.g. likes/dislikes) on a topic • Answer basic questions about information displayed in images, e.g. more or less • Can distinguish between text, image, video and audio content • Present simple data using images • Sort familiar objects into 3 or more categories • Can identify an object by asking yes/no questions • Recognise charts and tables, and understand why we use them • Use specific software to create simple charts • Collect data on a topic (eye colour, pets etc.) • Present data in a pictogram independently • Explain information shown in a simple chart, pictogram or infographic • Find out similar information in different formats • Explain how different formats communicate information and their benefits • Identify an object using a branching database • Create a branching database using a bank of images (digitally or on paper) • Evaluate a given branching database • Independently plan out and create a branching database

Progression Pathway through Computing

	<p>PROGRAMMING & ALGORITHMS</p> <p>Pupils:</p> <ul style="list-style-type: none"> • Explore technology • Make something happen using technology • Expect an outcome • Repeat an action to trigger a specific outcome • Control technology for a purpose • Recognise the success or failure of an action • Follow instructions to control a device • Give simple instructions to control devices • Understand that we control computers • Identify steps of a known task • Try alternative approaches to achieve a goal • Understand that we control computers by giving them instructions • List steps of a known task in order • Create a short sequence of instructions to control a device • Recognise patterns in groups of objects • Understand what an algorithm is • Create a simple algorithm • Create a simple program e.g. to control a floor robot • Debug an error in a simple program e.g. for a floor robot • Predict the outcome of a simple program • Understand that the order of instructions is important • Understand that instructions need to be clear and unambiguous • Evaluate the success of a program • Identify and correct errors in a given program • Understand that we can decompose a problem into smaller steps to make it simpler.
	<p>SAFE & RESPONSIBLE USE OF TECHNOLOGY</p> <p>Pupils:</p> <ul style="list-style-type: none"> • Access digital content online, e.g. images, video, music • Choose content to watch or listen to on a familiar web page • Can find information on a familiar website • Are aware that some online content is inappropriate • Are aware that information can be public or private • Search for images and other digital content using a very basic search • Recognise inappropriate content and know to tell an appropriate adult • Recognise what information should be kept private • Are aware what makes a good friend • Remember a simple password and know not to tell anyone • Understand that you can share digital content online • Know who to tell if concerned about content or contact online

Purple = P4 – P5



Blue = P6 – P8



Green = NC1 - 2

