

Computing

	EY & KS1	KS2	KS3	KS4
Green Pathway	<p>Know technology can be used for different purposes. Know how to use a keyboard to type own name. Know how to complete a simple computer programme/app independently. Know how to take a photo and record a video with an ipad/tablet and know how to retrieve it. Know there may be risks when accessing online technology and identify what to do to keep safe.</p>	<p>Know what an algorithm is, how they are implemented as programs on digital devices and that programs execute by following precise and unambiguous instructions. Know how to create and debug simple programs. Know how to use logical reasoning to predict the behaviour of simple programs. Know technology can be used purposefully to create, organise, store, manipulate and retrieve digital content. Know the common uses of information technology beyond school. Know how to use technology safely and respectfully, keeping personal information private, identifying where to go for help and support when they have concerns about content or contact on the internet or other online technologies.</p>	<p>Know how to design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems, solve problems by decomposing them into smaller parts. Know how to use sequence, selection and repetition in programs, work with variables and various forms of input and output. Know how to use logical reasoning to explain how simple algorithms work and to detect and correct errors in algorithms and programs. 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. Know how to use search technologies effectively, appreciating how results are selected and ranked, and be discerning in evaluating digital content. Know how to select, use and combine a variety of software 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. Know how to use technology safely, respectfully and responsibly; know how to recognise acceptable/unacceptable behaviour and know how to identify a range of ways to report concerns about content and contact.</p>	<p>WJEC ICT Pathways <i>Improving Productivity Using IT</i> Know how to plan the use of IT for a task Know how to use an IT system to complete a planned task Know how to review own use of IT. <i>IT User Fundamentals</i> Know how to use IT for straightforward activities Know to respond appropriately to common IT errors and problems Know how to review use of IT. <i>Using Word Processing Software</i> Know a range of basic word processing software tools and techniques to produce appropriate, straightforward or routine documents. <i>Audio and Video Software</i> Know how to use a range of basic audio or video software tools and techniques appropriately to record and edit straightforward audio or video sequences.</p>
Purple Pathway	<p>Begin to know technology can be used for different purposes. Begin to know how to use a keyboard to type own name. Begin to know how to complete a simple computer programme/app independently. Begin to know how to take a photo and record a video with an ipad/tablet and begin to know how to retrieve it. Begin to know there may be risks when accessing online technology and identify what to do to keep safe.</p>	<p>Begin to know what an algorithm is, how they are implemented as programs on digital devices and that programs execute by following precise and unambiguous instructions. Begin to know how to create and debug simple programs. Begin to know how to use logical reasoning to predict the behaviour of simple programs. Begin to know technology can be used purposefully to create, organise, store, manipulate and retrieve digital content. Begin to know the common uses of information technology beyond school. Begin to know how to use technology safely and respectfully, keeping personal information private, identifying where to go for help and support when they have concerns about content or contact on the internet or other online technologies.</p>	<p>Begin to know how to design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems, solve problems by decomposing them into smaller parts. Begin to know how to use sequence, selection and repetition in programs, work with variables and various forms of input and output. Begin to know how to use logical reasoning to explain how simple algorithms work and to detect and correct errors in algorithms and programs. Begin to 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. Begin to know how to use search technologies effectively, appreciating how results are selected and ranked, and be discerning in evaluating digital content. Begin to know how to select, use and combine a variety of software 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. Begin to know how to use technology safely, respectfully and responsibly; begin to know how to recognise acceptable/unacceptable behaviour and begin to know how to identify a range of ways to report concerns about content and contact.</p>	<p>ASDAN – Life Skill Challenge <i>Use of Computer Technology:</i> Know parts of a computer and how to use them. Know common icons and how they are used. Know how to access a search engine and how to use it. Know the basic principles of email. Know basic word processing skills and how to print a document. <i>Online Basics:</i> Know how to use an online IT system. Know how to use email software tools to compose and send messages. <i>Basic Internet Safety:</i> Know the importance of internet safety. Know why users should use a secure password when using the internet. Know how to access the internet safely. <i>Using Technology to Communicate with Others:</i> Know technology can be used to communicate with others. Know how to communicate information using technology. <i>Introduction to Digital Media:</i> Know hardware which can be used to create digital content. Know different types of content which can be used digitally. Know how to produce and present a media product. <i>Engaging with IT to Research Hobbies and Interests:</i> Know how to use a website to research chosen hobby or interest. Know how to find data on a website and answer questions. Know how to express preferences based on internet research.</p>
Orange Pathway	<p>Be aware of a range of technologies and that they can be used for different purposes. Be aware of technologies to support communication. Be aware of my actions creating effects when using technologies. Be aware of using technology to take photos and be aware of how to retrieve them. Be aware of risks when accessing online technology and be aware of what to do to keep safe.</p>	<p>Be aware of simple algorithms, how they are implemented as programs on digital devices and that programs execute by following precise and unambiguous instructions. Be aware of how to create and debug simple programs. Be aware of how technology can be used purposefully to create, organise, store, manipulate and retrieve digital content. Be aware of the common uses of information technology beyond school. Be aware of how to use technology safely and respectfully, identifying where to go for help and support when they have concerns about content or contact on the internet or other online technologies.</p>	<p>Be aware of programs that accomplish specific goals, including controlling or simulating physical systems. Be aware of selection and repetition in programs. Be aware of computer networks including the internet and the opportunities they offer for communication. Be aware of how to use search technologies effectively. Be aware of how to select, use and combine a variety of software on a range of digital devices to accomplish given goals. Be aware of how to use technology safely, respectfully and responsibly; be aware of how to recognise acceptable/unacceptable behaviour and be aware of how to identify a range of ways to report concerns about content and contact.</p>	<p>ASDAN – Life Skill Challenge <i>Use of Computer Technology:</i> Begin to know parts of a computer and how to use them. Begin to know common icons and how they are used. Begin to know how to access a search engine and how to use it. Begin to know the basic principles of email. Begin to know basic word processing skills and how to print a document. <i>Online Basics:</i> Begin to know how to use an online IT system. Begin to know how to use email software tools to compose and send messages. <i>Basic Internet Safety:</i> Begin to know the importance of internet safety. Begin to know why users should use a secure password when using the internet. Begin to know how to access the internet safely. <i>Using Technology to Communicate with Others:</i> Begin to know technology can be used to communicate with others. Begin to know how to communicate information using technology. <i>Introduction to Digital Media:</i> Begin to know hardware which can be used to create digital content. Begin to know different types of content which can be used digitally. Begin to know how to produce and present a media product. <i>Engaging with IT to Research Hobbies and Interests:</i> Begin to know how to use a website to research chosen hobby or interest. Begin to know how to find data on a website and answer questions. Begin to know how to express preferences based on internet research.</p>