

Computing Progression

Concept: Computing systems and networks

YR	Y1	Y2	Y3	Y4	Y5	Y6
<ul style="list-style-type: none"> -I can identify technology that I know about e.g. phones, tablets, computers. -I can use these items in role play situations. -I can turn on a device when I have been shown how to. -I can explain to someone how I did it. -I am beginning to understand how devices may be different. - I am beginning to identify rules to keep us safe and healthy when we are using technology in and beyond the home 	<ul style="list-style-type: none"> -I can explain how these technology examples help us. - I can explain technology as something that helps us. - I can locate examples of technology in the classroom. - I can name the main parts of a computer - I can switch on and log into a computer - I can use a mouse to click and drag - I can click and drag to make objects on a screen - I can use a mouse to create a picture - I can use a mouse to open a program - I can save my work to a file - I can say what a keyboard is for - I can type my name on a computer - I can delete letters - I can open my work from a file - I can use the arrow keys to move the cursor 	<ul style="list-style-type: none"> - I can describe some uses of computers - I can identify examples of computers - I can identify that a computer is a part of IT - I can identify examples of IT - I can identify that some IT can be used in more than one way - I can sort school IT by what it's used for - I can find examples of information technology - I can sort IT by where it is found - I can talk about uses of information technology - I can demonstrate how IT devices work together - I can recognise common types of technology - I can say why we use IT - I can list different uses of information technology - I can say how rules can help keep me safe 	<ul style="list-style-type: none"> - I can explain that digital devices accept inputs - I can explain that digital devices produce outputs - I can follow a process - I can classify input and output devices - I can describe a simple process - I can design a digital device - I can explain how I use digital devices for different activities - I can recognise similarities between using digital devices and non-digital tools - I can suggest differences between using digital devices and non-digital tools - I can discuss why we need a network switch - I can explain how messages are passed through multiple connections - I can recognise different connections - I can demonstrate how information can be passed between devices 	<ul style="list-style-type: none"> - I can demonstrate how information is shared across the internet - I can describe the internet as a network of networks - I can discuss why a network needs protecting - I can describe networked devices and how they connect - I can explain that the internet is used to provide many services - I can recognise that the World Wide Web contains websites and web pages - I can describe how to access websites on the WWW - I can describe where websites are stored when uploaded to the WWW - I can explain the types of media that can be shared on the WWW - I can explain that internet services can be used to create content online 	<ul style="list-style-type: none"> - I can describe that a computer system features inputs, processes, and outputs - I can explain that computer systems communicate with other devices - I can explain that systems are built using a number of parts - I can explain the benefits of a given computer system - I can identify tasks that are managed by computer systems - I can identify the human elements of a computer system - I can explain that data is transferred over networks in packets - I can explain that networked digital devices have unique addresses - I can recognise that data is transferred using agreed methods - I can explain that the internet allows different media to be shared 	<ul style="list-style-type: none"> - I can compare results from different search engines - I can complete a web search to find specific information - I can refine my search - I can explain why we need tools to find things online - I can recognise the role of web crawlers in creating an index - I can relate a search term to the search engine's index - I can explain that a search engine follows rules to rank relevant pages - I can explain that search results are ordered - I can suggest some of the criteria that a search engine checks to decide on the order of results - I can describe some of the ways that search results can be influenced - I can explain how search engines make money



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	<ul style="list-style-type: none">- I can discuss how we benefit from these rules- I can give examples of some of these rules- I can identify rules to keep us safe and healthy when we are using technology in and beyond the home	<ul style="list-style-type: none">- I can talk about different rules for using IT- I can explain the need to use IT in different ways- I can identify the choices that I make when using IT- I can use IT for different types of activities	<ul style="list-style-type: none">- I can explain the role of a switch, server, and wireless access point in a network- I can recognise that a computer network is made up of a number of devices- I can identify how devices in a network are connected together- I can identify networked devices around me- I can identify the benefits of computer networks	<ul style="list-style-type: none">- I can explain what media can be found on websites- I can recognise that I can add content to the WWW- I can explain that there are rules to protect content- I can explain that websites and their content are created by people- I can suggest who owns the content on websites- I can explain that not everything on the World Wide Web is true- I can explain why I need to think carefully before I share or reshare content- I can explain why some information I find online may not be honest, accurate, or legal	<ul style="list-style-type: none">- I can recognise that connected digital devices can allow us to access shared files stored online- I can send information over the internet in different ways- I can compare working online with working offline- I can explain how the internet enables effective collaboration- I can identify different ways of working together online- I can recognise that working together on the internet can be public or private	<ul style="list-style-type: none">- I can recognise some of the limitations of search engines- I can choose methods of communication to suit particular purposes- I can explain the different ways in which people communicate- I can identify that there are a variety of ways of communicating over the internet- I can compare different methods of communicating on the internet- I can decide when I should and should not share- I can explain that communication on the internet may not be private
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