



Computing Termly End Points

INTENT	Enhance our children’s digital competence and enable them to use computational thinking, whilst exploring and answering the questions, “What does it mean to be digitally literate?” and “How do I keep myself and others safe online?”					
Termly End Points						
Year Group	Autumn		Spring		Summer	
	A1	A2	SP1	SP2	SM1	SM2
Y1	<u>iAlgorithm</u> <ul style="list-style-type: none"> • Read a set of instructions and predict the outcome • Produce instructions using language others can follow • Understand that computers follow instructions in a precise way 	<u>iWrite</u> <ul style="list-style-type: none"> • Find answers to simple questions using the website • Use drawing and text tools to impact information • Talk about how they have used a computer to create things • Understand that various information is personal • Identify characteristics of trustworthy people • Know that personal information should only be given to trustworthy people 	<u>iData</u> <ul style="list-style-type: none"> • Enter simple sentences using a keyboard • Use a mouse to point, click and drag objects around a screen • Use a mouse to select icons and items • Print work • Save work • Navigate a website using buttons and image links 	<u>iProgram (unit 1)</u> <ul style="list-style-type: none"> • Read a set of instructions and predict the outcome • Produce instructions using language others can follow • Understand that computers follow instructions in a precise way 	<u>iModel</u> <ul style="list-style-type: none"> • Enter simple sentences using a keyboard • Use a mouse to point, click and drag objects around a screen • Use a mouse to select icons and items • Print work • Save work • Navigate a website using buttons and image links 	<u>iProgram (unit 2)</u> <ul style="list-style-type: none"> • Read a set of instructions and predict the outcome • Produce instructions using language others can follow • Understand that computers follow instructions in a precise way <u>iSafe</u> <ul style="list-style-type: none"> • Find answers to simple questions using the website • Use drawing and text tools to impact information • Talk about how they have used a computer



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						<p>to create things</p> <ul style="list-style-type: none"> • Understand that various information is personal • Identify characteristics of trustworthy people • Know that personal information should only be given to trustworthy people
Y2	<p><u>IProgram (unit 1)</u></p> <ul style="list-style-type: none"> • To know that programming applications can be given commands to produce specific effects on screen • To produce a sequence of blocks that achieves a simple effect • Plan and give direct instructions to make things happen 	<p><u>iSearch</u></p> <ul style="list-style-type: none"> • To know that programming applications can be given commands to produce specific effects on screen • To produce a sequence of blocks that achieves a simple effect • Plan and give direct instructions to make things happen 	<p><u>iAnimate</u></p> <ul style="list-style-type: none"> • Navigate a document using arrow keys and a mouse • Use the back and delete button to remove text • Use tools to create simple presentations that communicate meaning • Make choices about applications and tools to use for a particular purpose • Locate, edit and save different versions of their work • Navigate around a website using hyperlinks and the 	<p><u>iPub</u></p> <ul style="list-style-type: none"> • Navigate a document using arrow keys and a mouse • Use the back and delete button to remove text • Use tools to create simple presentations that communicate meaning • Make choices about applications and tools to use for a particular purpose • Locate, edit and save different versions of their work • Navigate around a website using hyperlinks and the 	<p><u>iBlog</u></p> <ul style="list-style-type: none"> • Navigate a document using arrow keys and a mouse • Use the back and delete button to remove text • Use tools to create simple presentations that communicate meaning • Make choices about applications and tools to use for a particular purpose • Locate, edit and save different versions of their work • Navigate around a website using hyperlinks and the 	<p><u>IProgram (unit 2)</u></p> <ul style="list-style-type: none"> • To know that programming applications can be given commands to produce specific effects on screen • To produce a sequence of blocks that achieves a simple effect • Plan and give direct instructions to make things happen <p><u>Isafe</u></p> <ul style="list-style-type: none"> • Navigate a document using arrow keys and a mouse • Use the back and delete button to remove text



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			back button • Type web addresses into the web browser • Create Internet favourites	back button • Type web addresses into the web browser • Create Internet favourites • Navigate a document using arrow keys and a mouse • Use the back and delete button to remove text • Use tools to create simple presentations that communicate meaning • Make choices about applications and tools to use for a particular purpose • Locate, edit and save different versions of their work • Navigate around a website using hyperlinks and the back button • Type web addresses into the web browser • Create Internet favourites	back button • Type web addresses into the web browser • Create Internet favourites	• Use tools to create simple presentations that communicate meaning • Make choices about applications and tools to use for a particular purpose • Locate, edit and save different versions of their work • Navigate around a website using hyperlinks and the back button • Type web addresses into the web browser • Create Internet favourites
Y3	<u>iProgram</u>	<u>iSimulate</u>	<u>iNetwork</u>	<u>iData</u>	<u>iConnect</u>	<u>iSafe</u>



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	<ul style="list-style-type: none"> • Produce a sequence of instructions that result in planned outcomes • Program a short sequence of commands that result in a planned effect • Program and test a simple program 	<ul style="list-style-type: none"> • Combine graphics with text • Use appropriate effects and re-size graphics • Copy text from an internet page to a document • Copy images from an internet page • Save, print and retrieve work • Use software, computers and devices to make simple presentations and create things • Enter a URL for a website with support • Identify some links within website content and navigate with purpose 	<ul style="list-style-type: none"> • Produce a sequence of instructions that result in planned outcomes • Program a short sequence of commands that result in a planned effect • Program and test a simple program 	<ul style="list-style-type: none"> • Combine graphics with text • Use appropriate effects and re-size graphics • Copy text from an internet page to a document • Copy images from an internet page • Save, print and retrieve work • Use software, computers and devices to make simple presentations and create things • Enter a URL for a website with support • Identify some links within website content and navigate with purpose 	<ul style="list-style-type: none"> • Begin to use a range of applications on computers and devices independently • Talk about how useful particular websites/applications have been for their work • Create digital content that communicates meaning • Understand that a wider range of information is personal • Identify some of the ways to use computers safely • Know the need for passwords and that they should be kept safe • Follow e-safety guidelines 	<ul style="list-style-type: none"> • Begin to use a range of applications on computers and devices independently • Talk about how useful particular websites/applications have been for their work • Create digital content that communicates meaning • Understand that a wider range of information is personal • Identify some of the ways to use computers safely • Know the need for passwords and that they should be kept safe • Follow e-safety guidelines
Y4	iProgram (unit 1) <ul style="list-style-type: none"> • Write an algorithm to produce a given effect using repetition • Accurately predict the outcome of a range of algorithms and 	iData <ul style="list-style-type: none"> • Use the more advanced features of applications • Send an email 	iMail <ul style="list-style-type: none"> • Use the more advanced features of applications • Send an email 	iAnimate <ul style="list-style-type: none"> • Understand that a computer network means connected computers • Understand that 	iProgram (unit 2) <ul style="list-style-type: none"> • Write an algorithm to produce a given effect using repetition • Accurately predict 	iSafe <ul style="list-style-type: none"> • Understand that a computer network means connected computers • Understand that you



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	<p>programs</p> <ul style="list-style-type: none"> • Test, debug and refine algorithms and programs • Use sequence and basic collection and repetition in computer programs • Explain how a programmed effect has been achieved • Talk about improvements that could be made to programs 	<ul style="list-style-type: none"> • Reply to an email • Use the search facility in a database to find the answer to questions • Carry out searches involving more than one condition to find answers to a variety of questions, sometimes with support • Confidently enter URLs into an address bar of a browser 	<ul style="list-style-type: none"> • Reply to an email • Use the search facility in a database to find the answer to questions • Carry out searches involving more than one condition to find answers to a variety of questions, sometimes with support • Confidently enter URLs into an address bar of a browser 	<p>you can use the internet for activities other than web browsing</p> <ul style="list-style-type: none"> • Know that not all information available online is reliable and needs to be checked • Find information by navigating around a number of websites using hyperlinks and buttons • Know that internet search engines give a list of websites based on search terms • Cross-check information on one website against the provider on another • Demonstrate the use of basic safety measures when using technology and working online • Know the need to use secure passwords and keep them private • Use ICT to communicate and collaborate, identify some of the risks and act to minimise them 	<p>the outcome of a range of algorithms and programs</p> <ul style="list-style-type: none"> • Test, debug and refine algorithms and programs • Use sequence and basic collection and repetition in computer programs • Explain how a programmed effect has been achieved • Talk about improvements that could be made to programs 	<p>can use the internet for activities other than web browsing</p> <ul style="list-style-type: none"> • Know that not all information available online is reliable and needs to be checked • Find information by navigating around a number of websites using hyperlinks and buttons • Know that internet search engines give a list of websites based on search terms • Cross-check information on one website against the provider on another • Demonstrate the use of basic safety measures when using technology and working online • Know the need to use secure passwords and keep them private • Use ICT to communicate and collaborate, identify some of the risks and act to minimise them • Know that not all information provided on the world wide web
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				<ul style="list-style-type: none"> • Know that not all information provided on the world wide web is correct and that it needs to be checked • Use appropriate search criteria to find relevant information and check its usefulness • Know the need to use secure passwords and keep them private 		<ul style="list-style-type: none"> • is correct and that it needs to be checked • Use appropriate search criteria to find relevant information and check its usefulness • Know the need to use secure passwords and keep them private
Y5	<p><u>iProgram (unit 1)</u></p> <ul style="list-style-type: none"> • Explain how a programmed effect has been achieved • Write and amend computer programs • Use repetition, variables and conditional statements in computer programs • Test, debug and refine algorithms and programs • Identify some common internet services that use the internet • Know that a computer takes input, 	<p><u>iDraw</u></p> <ul style="list-style-type: none"> • Understand that information in the form of text, sound and pictures can be combined to make digital content and communicate with an audience • Recognise the audience when creating and designing digital content • Create digital content that incorporates text and images • Choose and use the appropriate advanced features of word 	<p><u>iCrypto</u></p> <ul style="list-style-type: none"> • Explain how a programmed effect has been achieved • Write and amend computer programs • Use repetition, variables and conditional statements in computer programs • Test, debug and refine algorithms and programs • Identify some common internet services that use the internet • Know that a 	<p><u>iWeb</u></p> <ul style="list-style-type: none"> • Understand that information in the form of text, sound and pictures can be combined to make digital content and communicate with an audience • Recognise the audience when creating and designing digital content • Create digital content that incorporates text and images • Choose and use the 	<p><u>iModel</u></p> <ul style="list-style-type: none"> • Understand that information in the form of text, sound and pictures can be combined to make digital content and communicate with an audience • Recognise the audience when creating and designing digital content • Create digital content that incorporates text and images • Choose and use the 	<p><u>iSafe</u></p> <ul style="list-style-type: none"> • Know that a computer network consists of a number of computers and devices that are connected • Suggest a range of activities you can do on the internet, including web browsing • Find information by navigating around a number of websites using hyperlinks and buttons • Question the credibility of information given on websites



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	<p>processes it and produces output</p> <ul style="list-style-type: none"> Identify a variety of computing devices and a number of inputs and outputs Know that computers store and manipulate data as a series of ones and zeros – binary 	<p>processing or presentation software to increase their efficiency when matching their work to an audience</p> <ul style="list-style-type: none"> Carry out multi-conditioned searches in databases to find answers to a variety of questions with support Use the sort facility of a database to answer questions Create own questions to be answered by searching a database 	<p>computer takes input, processes it and produces output</p> <ul style="list-style-type: none"> Identify a variety of computing devices and a number of inputs and outputs Know that computers store and manipulate data as a series of ones and zeros – binary 	<p>appropriate advanced features of word processing or presentation software to increase their efficiency when matching their work to an audience</p> <ul style="list-style-type: none"> Carry out multi-conditioned searches in databases to find answers to a variety of questions with support Use the sort facility of a database to answer questions Create own questions to be answered by searching a database 	<p>appropriate advanced features of word processing or presentation software to increase their efficiency when matching their work to an audience</p> <ul style="list-style-type: none"> Carry out multi-conditioned searches in databases to find answers to a variety of questions with support Use the sort facility of a database to answer questions Create own questions to be answered by searching a database 	<ul style="list-style-type: none"> Know that internet search engines give a list of websites based on key words Cross-check information based on one website against that provided on another Use search technology to find things out Suggest a number of activities that you can use the internet for Create digital content for specific purposes Demonstrate the use of basic safety measures when using technology and working online Use appropriate search criteria to find relevant information and check its plausibility and usefulness Check information on the world wide web for accuracy Know that personal information should only be given to trusted sources Know that some information on the internet can be
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						<p>misleading or inaccurate and that it needs to be checked</p> <ul style="list-style-type: none"> • Use technology and online services to communicate and collaborate, identify some of the risks and act to minimise them
Y6	<p><u>IProgram (unit 1)</u></p> <ul style="list-style-type: none"> • Write and amend more complex computer programs to create a variety of outcomes • Decompose problems by splitting them into smaller problems and designing solutions for each part • Use iteration, variables and conditional statements in computer programs • Test computer programs and correct most errors 	<p><u>iNetwork</u></p> <ul style="list-style-type: none"> • Plan, design and create digital content that incorporates text, images and sound and communicates with an audience • Be able to design rationale behind their designs • Develop and refine digital content 	<p><u>iData</u></p> <ul style="list-style-type: none"> • Plan, design and create digital content that incorporates text, images and sound and communicates with an audience • Be able to design rationale behind their designs • Develop and refine digital content 	<p><u>IApp (unit 2)</u></p> <ul style="list-style-type: none"> • Write and amend more complex computer programs to create a variety of outcomes • Decompose problems by splitting them into smaller problems and designing solutions for each part • Use iteration, variables and conditional statements in computer programs • Test computer programs and correct most errors 	<p><u>IProgram (unit 2)</u></p> <ul style="list-style-type: none"> • Communicate and collaborate using technology and online services • Create simple web content using basic HTML • Know that internet search engines use algorithms • To find web content • Know that search results are organised in order of popularity • Use search technology and clear search terms to view web pages and obtain data • Use a number of internet services • Create digital content for specific 	<p><u>iSafe</u></p> <ul style="list-style-type: none"> • Communicate and collaborate using technology and online services • Create simple web content using basic HTML • Know that internet search engines use algorithms • To find web content • Know that search results are organised in order of popularity • Use search technology and clear search terms to view web pages and obtain data • Use a number of internet services • Create digital content for specific purposes and audiences



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					<p>purposes and audiences</p> <ul style="list-style-type: none">• Use feedback to improve digital content• Use digital tools to communicate and collaborate effectively online• Identify some of the risks associated with work and leisure in a digital society and act to minimise them• Find information online and check it for accuracy and reliability	<ul style="list-style-type: none">• Use feedback to improve digital content• Use digital tools to communicate and collaborate effectively online• Identify some of the risks associated with work and leisure in a digital society and act to minimise them• Find information online and check it for accuracy and reliability
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