



Computing I can statements: Year R

Topic	Statement	Emerging	Expected	Exceeding
Computer Science	I can give instructions to my friend and follow their instructions to move around.			
	I can make a floor robot move.			
	I can use simple software to make something happen.			
	I can make choices about the buttons and icons I press, click or touch on.			
Information Technology	I can hold and use a mouse correctly.			
	I can move objects on a screen or smartboard.			
	I can create shapes and text on a screen.			
	I can open and close simple programs.			
	I can take a photograph			
	I can use technology to show my learning.			
Digital Literacy	I can tell you about different kinds of information such as pictures, video, text and sound.			
	I can ask an adult when I want to use the internet.			
	I can tell an adult when something unexpected or worrying happens when I am using the internet.			
	I can be kind to my friends.			
	I can talk about the amount of time I spend using a computer/tablet/gaming device and what I do while using them.			
	I can operate, and am careful with, technology devices.			
	I can talk about technology that is used in home and school.			



Computing I can statements: Year 1

Topic	Statement	Emerging	Expected	Exceeding
Computer Science	I can give instructions to my friend and follow their instructions to move around.			
	I can describe what happens when I press buttons on a robot.			
	I can press the buttons in the correct order to make my robot do what I want.			
	I can describe what actions I will need to do to make something happen and begin to use the word algorithm.			
	I can begin to predict what will happen for a short sequence of instructions.			
	I can begin to use software/apps to create movement and patterns on a screen.			
	I can use the word debug when I correct mistakes when I program.			
Information Technology	I can use the keyboard or a word bank on my device to enter text.			
	I can save information in a special place and retrieve it again.			
	I can use technology to collect information, including photos, video and sound			
	I can use links and search engines to find information.			
	I can use technology to create and present my ideas.			
Digital Literacy	I can tell you what personal information is.			
	I can tell an adult when I see something unexpected or worrying online.			
	I can talk about why it is important to be kind and polite.			
	I can recognise an age appropriate website.			
	I can agree and follow sensible e-Safety rules.			
	I can recognise ways in which we use technology in the classroom and at home			



Computing I can statements: Year 2

Topic	Statement	Emerging	Expected	Exceeding
Computer Science	I can give instructions to my friend (using forward, backward and turn) and physically follow their instructions.			
	I can tell you the order I need to do things to make something happen and talk about this as an algorithm.			
	I can program a robot or software to do a particular task.			
	I can look at my friend's program and tell you what will happen.			
	I can use programming software to make objects move.			
	I can watch a program execute and spot where it goes wrong so that I can debug it.			
Information Technology	I can use the keyboard on my device to add, delete and space text for others to read.			
	I can save and open files on the device I use.			
	I can make and save a chart or graph using the data I collect.			
	I am starting to understand a branching database.			
	I can use links and search engines to find information.			
	I talk about the different ways I use technology to collect information, including a camera, microscope or sound recorder.			
	I can use technology to organise and present my ideas in different ways			
Digital Literacy	I can explain why I need to keep my password and personal information private.			
	I can describe the things that happen online that I must tell an adult about.			
	I can talk about why I should go online for a short amount of time.			
	I can talk about why it is important to be kind and polite online and in real life.			
	I know that not everyone is who they say they are on the Internet.			
	I can tell you why we use technology in the classroom and at home			
	I can identify benefits of using technology including finding information, creating and communicating.			
	I am starting to understand that other people have created the information I use.			



Computing I can statements: Year 3

Topic	Statement	Emerging	Expected	Exceeding
Computer Science	I can break an open-ended problem up into smaller parts.			
	I can put programming commands into a sequence to achieve a specific outcome.			
	I keep testing my program and can recognize when I need to debug it.			
	I can use repeat commands.			
	I can describe the algorithm I will need for a simple task.			
	I can detect a problem in an algorithm which could result in unsuccessful programming.			
Information Technology	I can use appropriate keyboard commands to amend text on my device, including making use of a spellchecker.			
	I can save and retrieve work on the Internet, the school network or my own device.			
	I can search a ready-made database to answer questions.			
	I can use search tools to find and use an appropriate website.			
	I can talk about the parts of a computer.			
	I can tell you ways to communicate with others online.			
	I can describe the World Wide Web as the part of the Internet that contains websites.			
Digital Literacy	I can talk about what makes a secure password and why they are important.			
	I can protect my personal information when I do different things online.			
	I can use the safety features of websites as well as reporting concerns to an adult.			
	I can recognise websites and games appropriate for my age.			
	I can make good choices about how long I spend online.			
	I ask an adult before downloading files and games from the Internet.			
	I can post positive comments online.			
	I think about whether I can use images that I find online in my own work.			



Computing I can statements: Year 4

Topic	Statement	Emerging	Expected	Exceeding
Computer Science	I can use logical thinking to solve an open-ended problem by breaking it up into smaller parts.			
	I can use an efficient procedure to simplify a program.			
	I can use a sensor to detect a change which can select an action within my program.			
	I know that I need to keep testing my program while I am putting it together.			
	I can use a variety of tools to create a program.			
	I can recognise an error in a program and debug it.			
	I recognise that an algorithm will help me to sequence more complex programs.			
	I recognise that using algorithms will also help solve problems in other learning such as Maths, Science and Design and Technology.			
Information Technology	I can use a keyboard confidently and make use of a spellchecker to write and review my work.			
	I can use an appropriate tool to share my work and collaborate			
	I can plan, create and search a database to answer questions.			
	I can choose the best way to present data to my friends.			
	I can create, modify and present documents for a particular purpose, including change the appearance of text to increase its effectiveness.			
	I can identify key words to use when searching safely on the World Wide Web and assess the reliability of results.			
	I can create a hyperlink to a resource on the World Wide Web.			
Digital Literacy	I choose a secure password and appropriate screen name when I am using a website.			
	I can talk about the ways I can protect myself and my friends from harm online.			
	I use the safety features of websites as well as reporting concerns to an adult.			
	I know that anything I share online can be seen by others.			
	I choose websites, apps and games that are appropriate for my age.			
	I can help my friends make good choices about the time they spend online.			
	I can talk about why I need to ask a trusted adult before downloading files and games from the Internet.			
	I comment positively and respectfully online and through text messages.			
	I can tell you how to check who owns photos, text and clipart.			



Computing I can statements: Year 5

Topic	Statement	Emerging	Expected	Exceeding
Computer Science	I can decompose a problem into smaller parts to design an algorithm for a specific outcome and use this to write a program.			
	I can refine a procedure using repeat commands to improve a program.			
	I can use a variable to increase programming possibilities.			
	I can change an input to a program to achieve a different output.			
	I can use 'if' and 'then' commands to select an action.			
	I can talk about how a computer model can provide information about a physical system.			
	I can use logical reasoning to detect and debug mistakes in a program.			
	I use logical thinking, imagination and creativity			
Information Technology	I can select an appropriate online or offline tool to create and share ideas.			
	I can use a spreadsheet and database to collect and record data.			
	I can present data in an appropriate way.			
	I can search a database using different operators to refine my search.			
	I can select, use and combine the appropriate technology tools to create effects that will have an impact on others			
	I can use text, photo, sound and video editing tools to refine my work.			
	I can use the skills I have already developed to create content using unfamiliar technology.			
Digital Literacy	I can choose a secure password and screen name.			
	I protect my password and other personal information.			
	I can explain why I need to protect myself and my friends and the best ways to do this, including reporting concerns to an adult.			
	I know that anything I post online can be seen, used and may affect others.			
	I can talk about the dangers of spending too long online or playing a game.			
	I can explain the importance of communicating kindly and respectfully.			
	I can discuss the importance of choosing an age-appropriate website, app or game.			
	I can explain why I need to protect my computer or device from harm.			
	I can describe different parts of the Internet and different parts of a webpage			
	I can find out who the information on a webpage belongs to.			



Computing I can statements: Year 6

Topic	Statement	Emerging	Expected	Exceeding
Computer Science	I can deconstruct a problem into smaller steps, recognizing similarities to solutions used before.			
	I can explain and program each of the steps in my algorithm.			
	I can evaluate the effectiveness and efficiency of my algorithm while I continually test the programming of that algorithm.			
	I can recognise when I need to use a variable to achieve a required output.			
	I can use a variable and operators to stop a program.			
	I can use different inputs (including sensors) to control a device or onscreen action and predict what will happen.			
	I can use logical reasoning to detect and correct errors in algorithms and programs.			
Information Technology	I can present the data I collect in an appropriate way.			
	I use the skills I have developed to interrogate a database.			
	I can talk about audience, atmosphere and structure when planning a particular outcome.			
	I can combine a range of media, recognising the contribution of each to achieve a particular outcome.			
	I can tell you why I select a particular online tool for a specific purpose.			
	I can talk about the way search results are selected and ranked.			
	I can check the reliability of a website.			
Digital Literacy	I protect my password and other personal information.			
	I can explain the consequences of sharing too much about myself online.			
	I support my friends to protect themselves and make good choices online, including reporting concerns to an adult.			
	I can explain the consequences of spending too much time online or on a game.			
	I can explain the consequences to myself and others of not communicating kindly and respectfully.			
	I protect my computer or device from harm on the Internet.			
	I can tell you the Internet services I need to use for different purposes.			
	I can describe how information is transported on the Internet.			
	I can tell you about copyright and acknowledge the sources of information that I find online.			