



## Computing Skills Overview for Year 2

Computing systems and networks – IT around us	Creating media – Digital photography	Programming A – Robot algorithms	Data and information – Pictograms	Creating media Digital music	Programming B Programming quizzes
<ul style="list-style-type: none"> <li>• I can describe some uses of computers</li> <li>• I can identify examples of computers</li> <li>• I can identify that a computer is a part of IT</li> <li>• I can identify examples of IT</li> <li>• I can identify that some IT can be used in more than one way</li> <li>• I can sort school IT by what it's used for</li> <li>• I can find examples of information technology</li> <li>• I can sort IT by where it is found</li> <li>• I can talk about uses of information technology</li> <li>• I can demonstrate how IT devices work together</li> <li>• I can recognise common types of technology</li> <li>• I can say why we use IT</li> <li>• I can list different uses of information technology</li> <li>• I can say how rules can help keep me safe</li> <li>• I can talk about different rules for using IT</li> <li>• I can explain the need to use IT in different ways</li> <li>• I can identify the choices that I make when using IT</li> <li>• I can use IT for different types of activities</li> </ul>	<ul style="list-style-type: none"> <li>• I can explain what I did to capture a digital photo</li> <li>• I can recognise what devices can be used to take photographs</li> <li>• I can talk about how to take a photograph</li> <li>• I can explain the process of taking a good photograph</li> <li>• I can explain why a photo looks better in portrait or landscape format</li> <li>• I can take photos in both landscape and portrait format</li> <li>• I can discuss how to take a good photograph</li> <li>• I can identify what is wrong with a photograph</li> <li>• I can improve a photograph by retaking it</li> <li>• I can experiment with different light sources</li> <li>• I can explain why a picture may be unclear</li> <li>• I can explore the effect that light has on a photo</li> <li>• I can explain my choices</li> </ul>	<ul style="list-style-type: none"> <li>• I can choose a series of words that can be enacted as a sequence</li> <li>• I can follow instructions given by someone else</li> <li>• I can give clear instructions</li> <li>• I can show the difference in outcomes between two sequences that consist of the same commands</li> <li>• I can use an algorithm to program a sequence on a floor robot</li> <li>• I can use the same instructions to create different algorithms</li> <li>• I can compare my prediction to the program outcome</li> <li>• I can follow a sequence</li> <li>• I can predict the outcome of a sequence</li> <li>• I can explain the choices I made for my mat design</li> <li>• I can identify different routes around my mat</li> <li>• I can test my mat to make sure that it is usable</li> <li>• I can create an algorithm to meet my goal</li> <li>• I can explain what my algorithm should achieve</li> <li>• I can use my algorithm to create a program</li> <li>• I can plan algorithms for different parts of a task</li> </ul>	<ul style="list-style-type: none"> <li>• I can compare totals in a tally chart</li> <li>• I can record data in a tally chart</li> <li>• I can represent a tally count as a total</li> <li>• I can enter data onto a computer</li> <li>• I can use a computer to view data in a different format</li> <li>• I can use pictograms to answer simple questions about objects</li> <li>• I can explain what the pictogram shows</li> <li>• I can organise data in a tally chart</li> <li>• I can use a tally chart to create a pictogram</li> <li>• I can answer 'more than'/'less than' and 'most/least' questions about an attribute</li> <li>• I can create a pictogram to arrange objects by an attribute</li> <li>• I can tally objects using a common attribute</li> </ul>	<ul style="list-style-type: none"> <li>• I can describe music using adjectives</li> <li>• I can identify simple differences in pieces of music</li> <li>• I can say what I do and don't like about a piece of music</li> <li>• I can create a rhythm pattern</li> <li>• I can explain that music is created and played by humans</li> <li>• I can play an instrument following a rhythm pattern</li> <li>• I can connect images with sounds</li> <li>• I can relate an idea to a piece of music</li> <li>• I can use a computer to experiment with pitch</li> <li>• I can explain how my music can be played in different ways</li> <li>• I can identify that music is a sequence of notes</li> <li>• I can refine my musical pattern on a computer</li> <li>• I can add a sequence of notes to my rhythm</li> <li>• I can create a rhythm which represents an animal I've chosen</li> <li>• I can create my animal's rhythm on a computer</li> </ul>	<ul style="list-style-type: none"> <li>• I can identify that a program needs to be started</li> <li>• I can identify the start of a sequence</li> <li>• I can show how to run my program</li> <li>• I can change the outcome of a sequence of commands</li> <li>• I can match two sequences with the same outcome</li> <li>• I can predict the outcome of a sequence of commands</li> <li>• I can build the sequences of blocks I need</li> <li>• I can decide which blocks to use to meet the design</li> <li>• I can work out the actions of a sprite in an algorithm</li> <li>• I can choose backgrounds for the design</li> <li>• I can choose characters for the design</li> <li>• I can create a program based on the new design</li> <li>• I can build sequences of blocks to match my design</li> <li>• I can choose the images for my own design</li> </ul>



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	<ul style="list-style-type: none"><li>• I can recognise that images can be changed</li><li>• I can use a tool to achieve a desired effect</li><li>• I can apply a range of photography skills to capture a photo</li><li>• I can identify which photos are real and which have been changed</li><li>• I can recognise which photos have been changed</li></ul>	<ul style="list-style-type: none"><li>• I can put together the different parts of my program</li><li>• I can test and debug each part of the program</li></ul>	<ul style="list-style-type: none"><li>• I can choose a suitable attribute to compare people</li><li>• I can collect the data I need</li><li>• I can create a pictogram and draw conclusions from it</li><li>• I can give simple examples of why information should not be shared</li><li>• I can share what I have found out using a computer</li><li>• I can use a computer program to present information in different ways</li></ul>	<ul style="list-style-type: none"><li>• I can explain how I changed my work</li><li>• I can listen to music and describe how it makes me feel</li><li>• I can review my work</li></ul>	<ul style="list-style-type: none"><li>• I can create an algorithm</li><li>• I can compare my project to my design</li><li>• I can debug my program</li><li>• I can improve my project by adding features</li></ul>
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