



Computing Systems and Networks Systems and searching Autumn Term	Creating Media Intro to vector Graphics Spring Term	Programming A Selection in Physical computing Summer Term	Data and information Flat file Databases Term: Autumn	Creating Media Video Production Summer Term	Programming B Selection in Quizzes Spring Term
<p>I can describe that a computer system features inputs, processes, and outputs</p> <p>I can explain that computer systems communicate with other devices</p> <p>I can explain that systems are built using a number of parts</p>	<p>I can discuss how vector drawings are different from paper-based drawings</p> <p>I can experiment with the shape and line tools</p> <p>I can recognise that vector drawings are made using shapes</p>	<p>I can create a simple circuit and connect it to a microcontroller</p> <p>I can explain what an infinite loop does</p> <p>I can program a microcontroller to make an LED switch on</p>	<p>I can create a database using cards</p> <p>I can explain how information can be recorded</p> <p>I can order, sort, and group my data cards</p>	<p>I can compare features in different videos</p> <p>I can explain that video is a visual media format</p> <p>I can identify features of videos</p>	<p>I can identify conditions in a program</p> <p>I can modify a condition in a program</p> <p>I can recall how conditions are used in selection</p>
<p>I can explain why we need tools to find things online</p> <p>I can recognise the role of web crawlers in creating an index</p> <p>I can relate a search term to the search engine's index</p>	<p>I can explain how alignment grids and resize handles can be used to improve consistency</p> <p>I can modify objects to create a new image</p> <p>I can use the zoom tool to help me add detail to my drawings</p>	<p>I can design a conditional loop</p> <p>I can explain that a condition is either true or false</p> <p>I can program a microcontroller to respond to an input</p>	<p>I can choose multiple criteria to answer a given question</p> <p>I can choose which field and value are required to answer a given question</p> <p>I can outline how 'AND' and 'OR' can be used to refine data selection</p>	<p>I can create and save video content</p> <p>I can decide which filming techniques I will use</p> <p>I can outline the scenes of my video</p>	<p>I can design a conditional loop</p> <p>I can explain that a condition is either true or false</p> <p>I can program a microcontroller to respond to an input</p>
<p>I can describe some of the ways that search results can be influenced</p> <p>I can explain how search engines make money</p> <p>I can recognise some of the limitations of search engines</p>	<p>I can compare vector drawings to freehand paint drawings</p> <p>I can create a vector drawing for a specific purpose</p> <p>I can reflect on the skills I have used and why I have used them</p>	<p>I can test and debug my project</p> <p>I can use selection to produce an intended outcome</p> <p>I can write an algorithm that describes what my model will do</p>	<p>I can ask questions that will need more than one field to answer</p> <p>I can present my findings to a group</p> <p>I can refine a search in a real-world context</p>	<p>I can evaluate my video and share my opinions</p> <p>I can make edits to my video and improve the final outcome</p> <p>I can recognise that my choices when making a video will impact on the quality of the final outcome</p>	<p>I can extend my program further</p> <p>I can identify the setup code I need in my program</p> <p>I can identify ways the program could be improved</p>

