












Computer Science KS1	Badge Image
<p>To earn this badge you will need to show that you understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise instructions.</p>	 A blue badge with a maze icon inside a circle and a banner below that says "PROBLEM SOLVER 1".
<p>To earn this badge you will need to create a simple program, and also find and correct mistakes in a program.</p>	 A purple badge with a flowchart icon inside a circle and a banner below that says "PROGRAMMER 1".
<p>To earn this badge you'll need to use logical reasoning to predict the behaviour of simple programs.</p>	 A purple badge with three interlocking gears icon inside a circle and a banner below that says "LOGICAL THINKER 1".




Digital Literacy KS1	Badge Image
<p>To earn this badge you will need to demonstrate your knowledge of the ways that information technology is used in environments other than school.</p>	
<p>To earn this badge you need to show you can use technology safely and respectfully, keeping your personal information private. You will need to identify where to go for help and support when you have problems online, and show that you can be a safe user of online technologies.</p>	




Information Technology KS1	Badge Image
<p>To earn this badge you will need to show that you can select and use use technology purposefully to create, organise, store, manipulate and retrieve digital content.</p>	




Computer Science KS2	Badge Image
<p>To earn this badge, you will need to show that you can design, write and debug programs that accomplish specific goals. You will need to show that you can control or simulate physical systems, and solve problems by breaking them into smaller parts.</p>	 A blue badge with a maze icon inside a circle and a banner below that says "PROBLEM SOLVER 2".
<p>To earn this badge you need to show that you can use sequence, selection, and repetition in programs, as well as working with variables and various forms of input and output.</p>	 A purple badge with a flowchart icon inside a circle and a banner below that says "PROGRAMMER 2".
<p>To earn this badge you will need to use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.</p>	 A purple badge with three interlocking gears icon inside a circle and a banner below that says "LOGICAL THINKER 2".

Digital Literacy KS2	Badge Image
<p>To earn this badge, you will need to show that you understand computer networks, including the internet. You will need to show how they can provide multiple services, such as the world wide web, and demonstrate the opportunities they offer for communication and collaboration.</p>	 A green badge with a circular icon containing a globe and network lines. Below the icon is a green ribbon with the text "COMMUNICATOR 2".
<p>To earn this badge you will need to show you can use search technologies effectively, appreciate how results are selected and ranked, and show you can evaluate digital content.</p>	 A purple badge with a circular icon containing a magnifying glass. Below the icon is a purple ribbon with the text "SEARCHER 2".
<p>To earn this badge you will need to show that you can use technology safely, respectfully and responsibly. You will need to demonstrate that you can recognise the difference between acceptable and unacceptable behaviour online, and identify a range of ways to report concerns about content and contact.</p>	 An orange badge with a circular icon containing a padlock. Below the icon is an orange ribbon with the text "E-SAFETY 2".

Information Technology KS2	Badge Image
<p>To earn this badge you will need to show that you can use a range of digital devices to create digital content.</p>	 A square badge with a black background and a white border. In the center, there is a white computer monitor icon inside a red semi-circle. Below the icon is a red ribbon banner with the text "Hardware 2" in white.
<p>To earn this badge you will need to show that you can store and retrieve digital content using a range of software applications.</p>	 A square badge with a black background and a white border. In the center, there is a blue circular icon containing a white computer mouse cursor and a blue folder icon. Below the icon is a blue ribbon banner with the text "Applications 2" in white.
<p>To earn this badge you will need to show that you can select and use different software on a range of devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.</p>	 A square badge with a black background and a white border. In the center, there is a red semi-circle containing a white paint palette icon. Below the icon is a red ribbon banner with the text "CONTENT CREATOR 2" in white.

Computer Science KS3	Badge Image
<p>To earn this badge you will need to show that you can use a programming language to solve computational problems and demonstrate an understanding of simple Boolean logic.</p>	 A blue badge with a maze icon inside a circle and a banner below that says "PROBLEM SOLVER 3".
<p>To earn this badge you must be able to use at least one text-based programming language (e.g. Python) to solve real world problems.</p>	 A purple badge with a flowchart icon inside a circle and a banner below that says "PROGRAMMER 3".
<p>To earn this badge you will need to design modular programs that use procedures or functions.</p>	 A purple badge with three interlocking gears icon inside a circle and a banner below that says "LOGICAL THINKER 3".

Digital Literacy KS3	Badge Image
<p>To earn this badge you must demonstrate respectful and safe use of technology. You must recognise inappropriate conduct and report concerns where appropriate.</p>	 A green badge with a network icon (a globe with three nodes) inside a semi-circle. Below the icon is a green ribbon with the text "COMMUNICATOR 3". The badge is set against a black background and framed by a white border.
<p>To earn this badge you must be able to demonstrate effective and responsible search habits, for example by using advanced searches to adhere to copyright practices.</p>	 A purple badge with a magnifying glass icon inside a semi-circle. Below the icon is a purple ribbon with the text "SEARCHER 3". The badge is set against a black background and framed by a white border.
<p>To earn this badge you must be able to effectively search for and evaluate the trustworthiness of digital content. You must be able to reuse and revise digital content for a particular audience. You must know how to protect your online identity at all times.</p>	 An orange badge with a padlock icon inside a semi-circle. Below the icon is an orange ribbon with the text "E-SAFETY 3". The badge is set against a black background and framed by a white border.

Information Technology KS3	Badge Image
<p>To earn this badge you need to be able to demonstrate the ability to work with applications across a range of digital devices.</p>	 A badge with a black background and a white border. It features a red semi-circle at the top containing a white laptop icon. Below the semi-circle is a red ribbon with the text "Hardware 3" in white.
<p>To earn this badge you will need to undertake creative projects with challenging goals using multiple applications.</p>	 A badge with a black background and a white border. It features a blue semi-circle at the top containing a white icon of a pencil and a ruler. Below the semi-circle is a blue ribbon with the text "Applications 3" in white.
<p>To earn this badge you will need to show evidence of collaborating with peers to analyse data and create digital content for a given audience.</p>	 A badge with a black background and a white border. It features a red semi-circle at the top containing a white icon of a paint palette and a brush. Below the semi-circle is a red ribbon with the text "CONTENT CREATOR 3" in white.