

Pupil Computing Self-Assessment

Purpose

To provide a summative self-assessment tool for pupils.

Where possible, this sheet should follow a child through from Year 1 to Year 6.

[Click here for the linked assessment statements](#)

Computer Science - Years 1 & 2	With help  Bronze	On my own  Silver	Can help others  Gold
I can make a floor robot do what I want and follow instructions (1 / 2)			
I can make something move on screen in a way that I want using distance and angle turn (2)			
I know that an algorithm is a set of step-by-step instructions and I can give an example of an algorithm (1)			
I can spot mistakes in my written algorithms and debug them (2)			
I can name some uses of technology and talk about digital technology around me (1 / 2)			
I know that digital devices need a program to make them work (2)			

IT badge - Years 1 & 2	With help  Bronze	On my own  Silver	Can help others  Gold
I can create some work on a computer - pictures, music or writing for example. (1 / 2)			
I can edit my work if I want to change it or make it even better. (2)			
I can print my own work. (1 / 2)			
I can save / upload / store my work online.(2)			
I can find / retrieve / re-save my work if I have already saved it (2)			
I can use a website my teacher has found to find what I need. (1)			
I know what a search engine does. (2)			
I can know how to search for information. (2)			

Digital Literacy - Years 1 & 2	With help  Bronze	On my own  Silver	Can help others  Gold
I know some rules about being online and how to be safe. (1 / 2)			
I know which websites are OK for me to visit and what to do if I am on a website that is not suitable for me (1 / 2)			
I behave politely and carefully online especially when I am with my friends and I do not contact people I don't really know. (1 / 2)			
I know what "personal information" means and know not to share personal information. (1 / 2)			
I can share some work with others but am careful who I share my work with (2)			
I know where to go for help if I have a problem online. (1 / 2)			
I know not to be on the computer for too long and that I need to take breaks and do something else (1 / 2)			

Computer Science - Years 3 & 4	With help  Bronze	On my own  Silver	Can help others  Gold
I understand that an algorithm is a set of instructions that a computer program follows (executes) (3)			
I understand that the order of an algorithm is very important and can identify where an algorithm needs debugging (4)			
I can plan, write and run some code to create a short program (3 / 4)			
I predict and test as I create and so can debug programs (3 / 4)			
I can explain how some code works by reading and unpacking it (3)			
I can use repeat in a program to make my program more efficient and elegant. (3 / 4)			
I can break a problem down into smaller parts (decomposition) (4)			
I can use selection in a program so some code runs automatically - using IF/else.(e.g. if 5 seconds have passed then show game over message) (3 / 4)			

I can use a variable in my program such as a timer or score (4)			
I can name some different “inputs and outputs”. (e.g mouse, microphone, lights and buzzers) (3)			
I understand what a sensor is and can explain how they work (e.g. a motion sensor, thermostat etc) (4)			
I understand that the internet is a huge network of computers connected together (3)			
I understand that the world wide web is the information on web pages found on the internet (3 / 4)			
I can explain how a simple search engine works. (3)			
I understand how sites are ranked when I use a search engine (4).			
I know some computing words and can explain what they mean (3 / 4)			

IT - Years 3 & 4	With help  Bronze	On my own  Silver	Can help others  Gold
I have created digital work - text, creating images, animations, editing photos and videos and creating multimedia presentations. (3 / 4)			
I can edit and improve my work (3 / 4)			
I can upload and store my work online and retrieve it to edit and refine it (3 / 4)			
I am aware of an audience and identify aspects that need to be changed to suit different audiences (4)			
I can collect information from several sources and combine effectively (3)			
I can present and share my work in different formats (data file, presentation, blogpost, website etc) (3 / 4)			
I can use a datafile to interrogate information to find answers to given questions (4)			
I can use some online information in a presentation to create a multimedia presentation (4)			

Digital Literacy - Years 3 & 4	With help  Bronze	On my own  Silver	Can help others  Gold
I can talk about some possible online dangers (3 / 4)			
I know acceptable / unacceptable online behaviour and demonstrate these especially when communicating with others online (3 / 4)			
I know some ways to keep my identity safe online. (3 / 4)			
I am aware of how to create a strong password and know never to share personal information or login details. (3 / 4)			
I can communicate or share work online safely thinking carefully about who I share with or communicate with (3 / 4)			
I am aware of the need for consent before sharing things online about others. (3 / 4)			
I can find some information online and check it is useful, relevant, trustworthy or misinformation. (3 / 4)			
I know some ways to get help if I have a problem. (3 / 4)			

Computer Science - Years 5 & 6	With help  Bronze	On my own  Silver	Can help others  Gold
I can break complex problems/ projects into smaller parts (decomposition) to help me design it and help order my workflow. (5)			
I can create some accurate programs looking at the most important parts (abstraction) (6)			
I predict and test as I create, and debug errors in the programs I create (5)			
I develop, test, debug and fix my programs to refine them (6)			
I can explain what is happening in my code sequence to someone who is technical and to someone not technical (6)			
I can use repeat in programs to make it more efficient (5)			
I can use selection (if / then / else) in programs to make my program automatically execute with different options (6)			
I can create code that uses variables (e.g. timer or score) for a real purpose (5)			

I can use variables (such as a timer and score count) to improve the players experience and bring in challenge (6)			
I can evaluate my design in the light of its success based on initial design brief/ set criteria (6)			
I can name and use different input and output devices and identify uses of them in the world.			
I can identify that the top results in a returned search doesn't mean it is the most truthful (5)			
I can explain how search results are selected and ranked (6)			
I know computing words and can explain what they mean (5 / 6)			
I know what a computer network is and explain the difference between the internet and the world wide web (5/6)			
I understand that writing a program is turning an algorithm into code (5 / 6)			

IT - Years 5 & 6	With help  Bronze	On my own  Silver	Can help others  Gold
I have created a wide range of different digital work and know the best tool to use for the intended outcome (5 /6)			
I can create independent work using and combining different tools for a specific given project (6)			
I can save / retrieve work from folders (online/offline) (5/6)			
I can refine and improve my work and explain why I have created it in such a way (5)			
I can design and refine content with specific audiences in mind. (5/6)			
I can evaluate my work and then improve it (5/6)			
I can efficiently search to find answers to some questions using effective web searching techniques (6)			
I can draw conclusions from my data analysis and interrogate data answering specific questions (6)			

Digital Literacy - Years 5 & 6	With help	On my own	Can help others
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	 Bronze	 Silver	 Gold
I can talk about possible online dangers and risks (5/6)			
I recognise acceptable / unacceptable online behaviour (5/6)			
I know and can list what constitutes personal information (5/6)			
I can advise friends how to keep themselves safe online (5/6)			
I can find relevant information quickly online knowing that not all information is valid or trustworthy (5/6)			
I can explain how I've checked that information is useful & valid (6)			
I can collaborate with others online demonstrating safe behaviours (5/6)			
I can talk about how search engines select and rank websites. (5/6)			
Given e-safety problems, I know where to go for help			