Targets in Computing

Computing Targets - A Year 1 Computer User

Algorithms and programming

I can create a series of instructions.

I can plan a journey for a programmable toy.

Information technology

I can create digital content.

I can store digital content.

I can retrieve digital content.

I can use a web site.

I can use a camera.

I can record sound and play back.

Digital literacy

I can use technology safely.

I can keep personal information private

Targets in Computing

Computing Targets - A Year 2 Computer User

Algorithms and programming

I can use a range of instructions (e.g. direction, angles, turns).

I can test and amend a set of instructions.

I can find errors and amend. (debug)

I can write a simple program and test it.

I can predict what the outcome of a simple program will be (logical reasoning).

I understand that algorithms are used on digital devices.

I understand that programs require precise instructions.

Information technology

I can organise digital content.

I can retrieve and manipulate digital content.

I can navigate the web to complete simple searches.

Digital literacy

I use technology respectfully.

I know where to go for help if I am concerned.

I know how technology is used in school and outside of school.

Targets in Computing

Computing Targets - A Year 3 Computer User

<u>Algorithms and programming</u>

I can design a sequence of instructions, including directional instructions.

I can write programs that accomplish specific goals.

I can work with various forms of input.

I can work with various forms of output.

<u>Information technology</u>

I can use a range of software for similar purposes.

I can collect information.

I can design and create content.

I can present information.

I can search for information on the web in different ways.

I can manipulate and improve digital images.

<u>Digital literacy</u>

I use technology respectfully and responsibly.

I know different ways I can get help if I am concerned.

I understand what computer networks do and how they provide multiple services.

I can discern where it is best to use technology and where it adds little or no value.

Targets in Computing

Computing Targets - A Year 4 Computer User

Algorithms and programming

I can experiment with variables to control models.

I can give an on-screen robot specific instructions that takes them from A to B.

I can make an accurate prediction and explain why I believe something will happen (linked to programming).

I can de-bug a program.

Information technology

I can select and use software to accomplish given goals.

I can collect and present data.

I can produce and upload a pod cast.

Digital literacy

I recognise acceptable and unacceptable behaviour using technology.

Targets in Computing

Computing Targets - A Year 5 Computer User

Algorithms and programming

I can combine sequences of instructions and procedures to turn devices on and off.

I can use technology to control an external device.

I can design algorithms that use repetition & 2-way selection.

Information technology

I can analyse information.

I can evaluate information.

I understand how search results are selected and ranked.

I can edit a film.

Digital literacy

I understand that you have to make choices when using technology and that not everything is true and/or safe.

Targets in Computing

Computing Targets - A Year 6 Computer User

<u>Algorithms and programming</u>

I can design a solution by breaking a problem up.

I recognise that different solutions can exist for the same problem.

I can use logical reasoning to detect errors in algorithms.

I can use selection in programs.

I can work with variables.

I can explain how an algorithm works.

I can explore 'what if' questions by planning different scenarios for controlled devices.

<u>Information technology</u>

I can select, use and combine software on a range of digital devices.

I can use a range of technology for a specific project.

<u>Digital literacy</u>

I can discuss the risks of online use of technology.

I can identify how to minimise risks.