



## Networks

Understand how computer networks enable computers to communicate and collaborate

*I understand how computers are able to communicate and share information*

Begin to use internet services within his/her own creations to share and transfer data to a third party

*I can use and combine services on the internet to share information*

## Using Computer

Independently select, use and combine a variety of software to design and create content for a given audience, including collecting, analysing, evaluating and presenting data and information

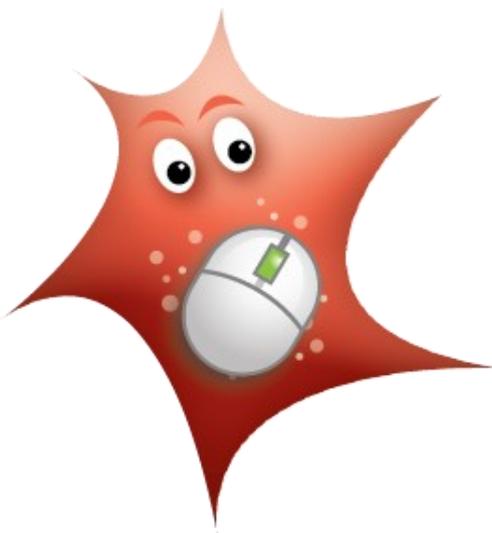
*I can use more than one piece of software to complete a task*

Design and create a range of programs, systems and content for a given audience

*I can design a program for a given audience*

Independently select, use and combine a variety of software to collect, analyse, evaluate and present data and information

*I can use software to help me analyse and present data and information*



## E-Safety

Use technology respectfully and responsibly

*I understand how to protect my computer or device from harm on the internet*

Identify a range of ways to report concerns about content and contact in and out of school

*I understand how to report concerns about content and contact in and out of school*

## Net Searching

Be discerning when evaluating digital content

*I can recognise trustworthy sources of information on the internet*

Use filters in search technologies effectively and is discerning when evaluating digital content

*I can use a broad range of resources online to find exactly what I'm looking for*

## Coding

Include use of sequences, selection and repetition with the hardware used to explore real world systems

*I can combine software and hardware to solve real life problems*

Solves problems by decomposing them into smaller parts

*I can break code up into related instructions, making debugging easier and quicker*

Create programs which use variables

*I can store and retrieve variables in a program*

Use variables, sequence, selection, and repetition in programs

*I can use loops, variables and IF statements to alter the way my programs run*

Use logical reasoning to explain how increasingly complex algorithms work and to detect and correct errors in algorithms and programs efficiently

*I can use logical thinking to identify and solve potential bugs during coding*