Computing Learning Journey

I can combine a range of media, recognising the contribution of each to achieve a particular outcome. .

I can check the reliability of a website, understand copyright and acknowledge the sources of information that I find online.

Identify ways to report concerns.

I can evaluate the effectiveness and efficiency of my algorithm while I continually test the programming of that algorithm.

Present and interpret data and interrogate a database.

To recognise inappropriate content and conduct.

Use technology safely and respectfully.

YEAR 6

I can deconstruct a problem into smaller steps, recognising similarities to solutions used before.

I can explain and program each of the steps in my algorithm.

Select, use and combine software on a range of digital devices

Understand the opportunities computer networks offer for collaboration

Use technology respectfully and responsibly.

Understand computer networks including the internet and appreciate how search results are ranked.

Work with variables

Be discerning in evaluating digital content.

Identify ways to report concerns about online content.

Use sequence, selection and repetition in programs.

Use logical reasoning to explain how simple algorithms work and detect and correct errors.

Recognise acceptable and unacceptable behaviour online.

Identify a range of ways to report concerns about online content.

YEAR 5

Analyse and evaluate information.

Solve problems by decomposing them into smaller parts.

Understand the opportunities computer networks offer for communication.

Understand how computer networks provide the World Wide Web and appreciate how search results are selected

Collect and present data

Google

To collect and present information.

To use technology safely and responsibly.

YEAR 4

Select, use and combine internet services.

To use search technologies effectively.

To design and create content.

Identify a range of ways to report concerns about contact.

Design, create (using repetition) and debug programs.

Use logical reasoning to explain how simple algorithms work and detect and correct errors.

To work with various forms of input and output.

To use a variety of software to accomplish given goals

Use sequence in programs.

To identify where to go for help with concerns about online content.

To use technology safely and respectfully.

YEAR 3

Write programs that accomplish specific goals.

To use technology to create and manipulate digital content.

To create, organise and store digital content.

To recognise common uses of technology beyond school.

To debug simple programs.

YEAR 2

To understand that programs work by following precise instructions.

Begin to understand that we must keep personal information private.

To understand that algorithms are implemented as programs on digital devices.

Create and debug simple programs.

To use technology safely and respectfully.

Recognise that a range of technology is used in homes and schools.

Shows skill in making toys work by pressing parts or lifting flaps.

Shows an interest in technological toys eg. Mobile phone or camera..

Mini Mash

YEAR 1

Reception

To understand what simple algorithms are.

Knows that information can be retrieved from computers.

I can complete a simple program on a computer.

To know how to operate simple equipment eg. CD player.

Computer Science

Information Technology

Digital Literacy