

INTRODUCTION TO HTML – OVERVIEW

Overview

This unit will continue to develop students' understanding of programming whilst introducing them to HTML (Hypertext Markup Language). The unit will introduce key components of this language which is used to create and design web pages.

In this unit, students will learn to edit and organise a web page. They will learn the key components of HTML, learn about CSS (cascading style sheets) and recognise the importance of this language in web development and structuring web pages.

National Curriculum

The areas of the National Curriculum and the key computing concepts covered in this unit are outlined in the table below:

Knowledge and understanding	Computing concepts
To write and debug programs that accomplish specific goals.	Debugging
To solve problems by decomposing them into smaller parts.	Decomposition
To use sequencing and repetition in programs.	Sequencing, repetition and looping
To work with inputs and outputs.	Inputs and outputs
To use logical reasoning to explain how simple algorithms work.	Reasoning and algorithms
To detect and correct errors in algorithms and programs.	Debugging

The Computing Curriculum

Where the knowledge and understanding developed in this unit fits into the computing curriculum is outlined in the table below:

Prior Learning	Future Learning
EYFS Unit: Introduction to programmable robots	Year 5 Unit: Advanced micro:bits
Year 1 Unit: Introduction to algorithms unplugged	Year 5 Unit: Programming simulations
Year 1 Unit: Programming virtual BeeBots	Year 6 Unit: Scratch – Programming a computer game
Year 2 Unit: Debugging Algorithms	Year 6 Unit: Introduction to Python
Year 2 Unit: Programming using Scratch Jnr	
Year 3 Unit: Introduction to Scratch	
Year 3 Unit: Programming a quiz in Scratch	
Year 4 Unit: Introduction to micro:bits	

Cross-curricular links and extension activities

This unit provides opportunities for cross-curricular links through the exploration of HTML of different webpages. When exploring the source code of different webpages, there is the opportunity to choose pages that link to current topics students are learning about.