

Year 8	Autumn Year 7	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Topics/Units to Be studies</b>	<b>Understanding Computers</b>	<b>Introduction to HTML</b>	<b>Creation of Comic Strips</b>	<b>Audacity (Sound Editing)</b>	<b>Introduction to Python</b>	<b>My Digital World: ESafety</b>
<b>Core Knowledge and Skills</b>	This topics builds upon content taught in Year 7. Students can use a variety of different software packages. This topics introduces the students to hardware and software components that make up a computer system and how they communicate with one another and other systems.	In this unit, learners will explore the technologies that make up the internet and World Wide Web. Starting with an exploration of the building blocks of the World Wide Web, HTML. By the end of this unit students will have a fully functioning website.	This unit builds on the graphics module taught in the Year 7 and allows students to learn about the creative side of ICT. Students will have previously learnt how to design a project for a target audience, they will then be able to build upon this knowledge to produce a comic strip for a given audience using a variety of skills including different narration styles. Students will create a comic strip around "CyberBullying"	Students will use a sound editing software package to, create, a purposeful digital artefacts for a given audience. Students will learn about the importance of planning documentation s	Students are introduced text-based programming with Python. The lessons form a journey that starts with simple programs involving input and output, and gradually moves on through arithmetic operations, randomness, selection, and iteration. Emphasis is placed on tackling common misconceptions of program execution.	Students will revisit the topic of ESafety, they will learn about the dangers of being online, the concept of how to protect themselves as they navigate the internet and how to spot fake news.

**Assessment (How do we know if pupils have learnt what we've taught them?⁸)**

**Formative:** MCQS  
midterm

**Formative:** key word  
definitions

**Summative:** End of topic  
test on Using Computers  
with extended dirt

**Formative:**  
**MCQS midterm**

**Formative:** key  
word definitions  
and practice  
challenges

**Summative:**  
Practical based  
creation of a 3  
page linked  
website.

**Formative:** key word  
definitions **Formative:**  
Practice challenges  
using new skills

**Summative:** Practical  
based creation of  
comic strip with  
extended dirt

**Formative:**  
Practice tasks  
introducing  
new skills

**Formative:** key  
word  
definitions.

**Summative:**  
practical  
based on  
producing a 30  
second sound  
advert for a  
given scenario  
using a range  
of different  
techniques

**Formative:** MCQS  
midterm

**Formative:** Practice  
coding challenges  
introducing new skills

**Summative:** End of  
topic test theory and  
practical based on  
Python with  
extended dirt

**Formative:** MCQS  
midterm

**Formative:** key word  
definitions

**Summative:** End of  
topic test on My  
Digital world with  
extended dirt