

ICT

Autumn Term	Spring Term	Summer Term	Skills/Assessment
<p>Introduction to Python Programming & Data Introduces learners to text-based programming with Python. Python programming with sequences of data</p>	<p>Introduction to Cybersecurity This unit takes learners on a journey of discovery of techniques that cybercriminals use to steal data, disrupt systems, and infiltrate networks.</p>	<p>Mobile App Development Pupils are guided through the entire process of creating their own mobile app, using App Lab from code.org.</p>	<p>Quizzes or Multiple – choice tests</p> <p>Evaluation of final piece of work in project</p>
<p>Modeling Data using spreadsheets How to use spreadsheets to handle data, simplify mathematical tasks and display data using graphs and charts.</p>	<p>Developing for the Web How learn web pages are created, starting with an exploration of the building blocks of the World Wide Web, HTML, and CSS.</p>	<p>Introduction of binary digits Development of digital literacy skills. Introduction binary digits. Introduce learners to binary digits and how they can be used to represent text and numbers.</p>	<p>Quizzes or Multiple – choice tests</p> <p>Evaluation of final piece of work in project</p>
<p>Introduction to IT at Prospect School & Scratch IT user basics – (Logins, passwords, email, using files and folders, etc.) (Re)Introduction to Scratch & variables in programming</p>	<p>Clear messaging in digital media. Introduction to animation using Pivot. Pupils create a poster and slides on a given theme. Pupils use Pivot to create animations.</p>	<p>Programming essentials using Scratch & Problem solving using Scratch The aim of this unit and the following unit is to build learners’ confidence and knowledge of the key programming constructs.</p>	<p>Quizzes or Multiple – choice tests</p> <p>Evaluation of final piece of work in project</p>

Year 11

Year 10

Year 9

Year 8

Year 7