Subject Overview

Year 8										
	Half Term 1	Half Term 2	Half Term 3	Half Term 4	Half Term 5	Half Term 6				
Topic	Layers of computing systems	Introduction to python programming.	Media-Vector Graphics	Mobile app development	Developing for the web	Representations from clay to silicone				
Learning Objectives	Exploring the fundamental elements that make up a computer system.	Applying the programming constructs of sequence, selection and iteration in python.	Creating vector graphics through object layering and path manipulation	Using event-driven programming to create an online gaming app	Using HTML and CSS to create web pages	Representing numbers and text using binary digits				
Key Vocabulary	Glossary Link	Glossary Link	Glossary Link	Glossary Link	Glossary Link	Glossary Link				
Formative Assessment	Low stakes quizzes and assessment tasks	Low stakes quizzes and assessment tasks	Low stakes quizzes and assessment tasks	Low stakes quizzes and assessment tasks	Low stakes quizzes and assessment tasks	Low stakes quizzes and assessment tasks				
Summative Assessment	Inter and post topic tests.	Inter and post topic tests.	Inter and post topic tests.	Inter and post topic tests.	Inter and post topic tests.	Inter and post topic tests.				
Scaffolding for SEND	Recall quizzes, Guided reading activities, Challenge tasks.	Recall quizzes, Guided reading activities, Challenge tasks.	Recall quizzes, Guided reading activities, Challenge tasks.	Recall quizzes, Guided reading activities, Challenge tasks.	Recall quizzes, Guided reading activities, Challenge tasks.	Recall quizzes, Guided reading activities, Challenge tasks.				
Careers	T Support. Network Engineer IT Apprentice. Aftersales. Digital Technology Software	T Support. Network Engineer IT Apprentice. Aftersales. Digital Technology Software	T Support. Network Engineer IT Apprentice. Aftersales. Digital Technology Software	T Support. Network Engineer IT Apprentice. Aftersales. Digital Technology Software	T Support. Network Engineer IT Apprentice. Aftersales. Digital Technology Software	T Support. Network Engineer IT Apprentice. Aftersales. Digital Technology Software				

| | Engineering Degree. |
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| Links (prior
knowledge, future
knowledge) | Links from KS2 to
KS4 |