Armfield Academy – Department of Computer Science – Key Stage 3

Year 9 Curriculum Overview

Half Term 1	
Date	**Enquiry Question(s)** – Computer Security
	Learning Questions
Week 1	Introduction to Computer Security
Week 2	Protecting Your Devices
Week 3	Understanding Networks and Safe Connections
Week 4	Data Privacy and Personal Information
Week 5	Cyberbullying and Online Safety
Week 6	Reteach Week
Week 7	Responsible Use and Security Best Practices
Half Term 2	
Date	**Enquiry Question(s)** – Websites
	Learning Questions
Week 1	Introduction to website
Week 2	Planning your website
Week 3	Creating a brand logo and homepage
Week 4	Creating a Products, about us and Contact Us pages
Week 5	Creating a navigation bar
Week 6	Reteach Week
Week 7	Documentation and Assessment
Half Term 3	
Date	**Enquiry Question(s)** – Python Programming and Computational Thinking
	Learning Questions
Week 1	Introduction to Python & Output
Week 2	Variables and User Input
Week 3	Data Types and Casting
Week 4	Arithmetic Operators and Mathematical Programs
Week 5	Selection
Week 6	Multi-Branch Selection
Half Term 4	
Date	**Enquiry Question(s)** – Python Programming Continued
	Learning Questions
Week 1	Condition Controlled Iteration
Week 2	Count Controlled Iteration
Week 3	Design and Build
Week 4	Reteach Week
Week 5	Testing – Debugging and Assessment
Half Term 5	
Date	**Enquiry Question(s)** – Data Representation
	Learning Questions
Week 1	Introduction to Binary Numbers
Week 2	Binary Addition and Hex
Week 3	Boolean Logic
Week 4	Text Representation — ASCII and Unicode
Week 5	Representing Images — Bitmap
Week 6	Representing Sound Digitally
Half Term 6	
Date	**Enquiry Question(s)** – Blipper
	Learning Questions
Week 1	Introduction to Blipper & Basic Navigation
Week 2	Using the Object Library & Customizing Objects
Week 3	Adding Movement and Animation
Week 4	Introduction to Coding with Blipper
Week 5	Adding Sound and Interactivity

Week 6	Enhancing Your Blipper & Polishing Your Project