Godfrey Ermen Primary School
Lesson overviews Year 6

Autumn	Spring	Summer
Computing systems and networks: Bletchley Park	***Programming – Micro Bits***	***Data handling 1: Big Data 1***
L1: Secret code Aim: To understand there are many different types of secret codes. L2: Brute force hacking Aim: To understand the importance of having a secure password. L3: Computers of the past Aim: To recognise the importance of the history of computers L4: Computing heroes Aim: To research historical figures that contributed to technological advances in computing		Barcodes, QR codes and RFID L1: Barcodes Qr code treasure hunt Aim: To identify how barcodes and QR codes work. L2: Transmitting data Aim: To know how infrared waves transmit data. L3: RFID Spreadsheets Aim: To recognise how RFID is used. L4: Using RFID Aim: To input and analyse real-world data. L5: Transport data Aim: To analyse and evaluate data.
Assessment task Use the image to answer the questions 1. What does the image show? 2. Keeping data secure is crucial to protect individuals and businesses. Do you agree? Why?		Assessment task Use the image to answer the questions 1. What does the image show? 2. What other ways are there of collecting and sending data?
		Data handling 2: Big Data 2

		Data usage and smart schools L1: Transferring data Bluetooth Aim: To explain how data can be safely transferred. L2:Data usage Aim: To investigate the data usage of different online activities. L3: The internet of things Aim: To identify how data analysis can improve city life.
		Assessment task Use the image to answer the questions 1. How is data being transferred in this image?