**EYFS – Introduction to Data Handling**
Pupils will be introduced to the concept of data handling through the use of yes/no questions to create a whole class physical branching database. They will also create a whole class physical pictogram using picture cards.

**Year 1 – Introduction to Data Handling**
Pupils will build on knowledge from EYFS to use technology to record data and create pictograms. They will also be developing their understanding of branching databases.

**Year 2 – International space Station**
Pupils will be using the theme of the International Space Station to record and retrieve data using a spreadsheet.

**Year 3 – Comparison cards databases**
Pupils will continue to develop their understanding of spreadsheets and databases by developing their understanding of records, fields and data. They will also look at how to sort and filter information as well as how excel can represent the information in different ways.

**Year 6 – Big Data**
Pupils will develop their understanding about the use of big data including barcodes, QR codes, infrared, and RFID technologies. Children will create and scan their own QR codes, manipulate real-time data in spreadsheets, and present their findings. They will also analyse transport data to understand its usefulness to commuters.

Data Handling

**Year 5 – Mars Rover 1**
Pupils will be identifying some of the types of data that the Mars Rover collects and explain how the Mars Rover transmits the data back to Earth. Children will read binary numbers, and understand binary addition as well as identify input, processing and output on the Mars Rovers.

**Year 4 – Investigating Weather**
Pupils will be applying their understanding of excel to research and store data using spreadsheets. As well as designing a weather station which gathers and records data and learning how weather forecasts are made.