All Saints CE Primary School and Nursery
Medium Term Planning

Class teacher: Mrs Korzeniewski Year group: 4 Term: spring 1 Subject: Computing – Data Handling

Lesson	Learning Goal (L.G.)	Brief outline of lesson content	Key Vocabulary covered
1	LG: how to stay safe online	Lesson 3: understand plagiarism and citation Twinkl – online safety year 4 Lesson 3. Learners will: • explain how to use other people's work respectfully. • explain what a citation is. • write a citation. • can explain why plagiarism is harmful.	Data, table, layout, Input device, sensor, data logger, logging, data point, interval, analyse, data set, import, export, Data, data logger, logged, collection, review, conclusion
2	LG: what is data?	https://microbit.org/teach/lessons/data-handling-unit-summary/ Lesson 1: Pupils learn about data by researching data about a person of their choosing and exploring ways data can be grouped. They consider the data that might be held about them and look at examples of data misuse by organisations.	
3	LG: data treasure hunt	Lesson 2: In this lesson, pupils go on a treasure hunt around school to find data before learning about sensors and writing programs to record the temperature in different locations. They consider what the data they have collected shows and identify patterns.	

4	LG: design a sensor gadget	Lesson 3: Sensor gadget design Students develop their understanding of sensors through unplugged activities and by writing algorithms using repetition and selection. They then apply their understanding to design and evaluate a gadget using a sensor.	
5	LG; to explore the effects of changing the value of data in programs	Lesson 4: Data conditions & selection Pupils explore using data collected by the sensors on the micro:bit as a condition in programs. Then plan, program and test using the micro:bit as a temperature warning system.	
6	LG: To write a program to use a micro:bit as a digital assistant	Lesson 5: Digital assistants Students explore using conditions in selection through unplugged activities before writing a program to enable the BBC micro:bit to be used as a digital assistant.	