Year 4 Computing

Summer 2: We Are Meteorologists (Presenting the weather)

Session	National. Curriculum Statement	WALT	Learning Outcomes (Success Criteria)	Resources	Vocabulary
Subject Cultural Capital = Using & Applying computing knowledge to solve problems **Differentiation = please see the differentiation for the EXC EM & SEND (Please see SEND pupils IEPs when planning)** **Minimum expectations to check for understanding during lessons = targeted questioning / mini whiteboards/ peer talk /thumb signs** **Long term memory skill development strategy = LAST, LAST, LAST linked to the WALT** **Literacy & Numeracy skills development = ICT vocabulary bank linked to the WALT & include numeracy skills where they are linked to the WALT in the weekly planning**					
On Line Safety: Pupils consider the importance of obtaining and using accurate data for any information-processing work. If pupils film one another, they need to ensure appropriate permission is obtained and that recordings are made, edited and shown in safe, respectful and responsible ways. Pupils should think carefully about the implications of uploading their films to the school network or to the web.					
1. Describing and measuring the weather	Work with variables and various forms of input and output.	To describe and measure the weather	Children can describe the weather with precision using appropriate vocabulary. Children know how to measure aspects of the weather and which instruments to use.	Google sheets Google Slides Powerpoint Spreadsheets Laptops/desktops	Digital Analogue sensors
2. Recording the weather	Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.	To record the weather	Children can record aspects of the weather over a period of time.	Google sheets Google Slides Powerpoint Laptops/desktops	Digital Analogue Sensors data

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3. Analysing the data	Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.	To analyse the data collected	Children look at data collected and can comment on any unusual data. Children begin to make digital charts and graphs of the data. Children begin to understand the relationship between variables.	Google sheets Google Slides Powerpoint Laptops/desktops	Digital Analogue Sensors Data datasets
4. Working with the photo collection and beginning to predict the weather	Work with variables and various forms of input and output. Use logical reasoning to explain how some simple algorithms work.	To use the photo collection to make predictions about the weather	Children can use image management software to add weather data to images. Children can make predictions using data collected to justify these predictions.	Google sheets Google Slides Powerpoint Laptops/desktops	data
5. Preparing a weather forecast	Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.	To identify features of a good weather forecast and plan a weather forecast	Children know the main features of a weather	Google sheets Google Slides Powerpoint Laptops/desktops	data
6. Giving a TV style weather forecast	Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.	To deliver a weather forecast and reflect on learning	Children can deliver a weather forecast and review.	Google sheets Google Slides Powerpoint Laptops/desktops	data