

Question: Can you use a pictogram to answer questions? Pictograms			
National Curriculum Link: -use technology purposefully to create, organise, store, manipulate and retrieve digital content -use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies			
International Baccalaureate Learner Profile Link: Risk takers. Sticking with the task in hand and remaining focused. Taking responsible risks with new challenges. Thinkers How can I stretch myself by thinking deeply about new information? How might thinking about thinking help me as a learner? Inquirers Having a questioning attitude and develop questioning strategies. Gather data through all sense. To create, imaging and innovate my ideas.			
Prior Skills: Year 1 To show I can enter data onto a computer with support. To recognise that people, animals and objects can be described by attributes. To use a computer to view data in different formats. To view pictograms. To answer comparison questions (graphs, tables).	New Skills: Year 2 To show I can enter data onto a computer. To recognise that people, animals and objects can be described by attributes. To use a computer to view data in different formats. To use pictograms to answer single-attribute questions. To use a computer to answer comparison questions (graphs, tables).	Future Skills: Year 3 To investigate questions with yes/no answers. To identify the object attributes needed to collect relevant data. To select an attribute to separate objects into two similarly sized groups. To explain that data can be used to answer questions. To decide what data needs to be collected to answer a specific question. To retrieve information from different levels of the branching database. To create questions with yes/no answers.	

		To relate two levels of a branching database using AND.
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Knowledge, Skills and Understanding

To use technology to collect, sort and display information that could include data, photos, video or sound.

Challenge

Resources: Hardware: iPads, Computers/laptops. Teach computing website and plans.	Websites or Apps: https://www.topmarks.co.uk/maths-games/5-7-years/data-handling (games) https://nrich.maths.org/9031 (games) https://www.bbc.co.uk/bitesize/clips/z7r9jxs (video on data handling). https://www.topmarks.co.uk/Search.aspx?q=pictogram https://www.bbc.co.uk/bitesize/clips/zg4d2hv
	Extended Writing Opportunities: Whole school questionnaire to sort and classify objects/answers.
Vocabulary: Data, computer, keyboard, objects, similar, grouping, label and match, attribute	Numeracy skills: Data collecting: The children will be collecting information using a tally system and then sharing the information in different forms, including bar charts and pie charts.
Suggested Quality Texts: See selection in library Use information texts related to insects and mini-beasts. This will enable children to extend their understanding in the topic.	WOW Experience: The zoo- group and classify animals/insects.
Cross Curricular Links: Maths- grouping other objects in different ways. Science- grouping and classifying objects/insects.	