Year 2 Questioning Medium Term Plan

Year 2. Questioning

In this unit, children explore how to ask questions to collect useful data as well as using questions to sort data. They learn how to organise data using tally charts, pictograms and use simple branching databases to help sort and identify objects.

Children begin by collecting data to answer a given question in a Tally chart with teacher guidance, and draw upon prior knowledge of using 2Count to represent the data as a pictogram (Year 1 Unit Online Safety and Introduction to Purple Mash). They look at the types of questions that can be answered when searching for information from data that is represented as a pictogram.

In the following lesson, children begin to understand the difference between an open question and a closed question. They choose their own closed question to ask their peers and collect answers in a tally chart. They create their own digital pictogram to represent this data and select their own images/clipart for use in the pictogram.

In the third lesson, children are introduced to yes/no questions as a type of closed question. They explore how yes/no questions could be used to sort data (by grouping and sorting objects; and by identifying objects). Pupils use yes/no questions to group and sort animals and shapes. They move onto using yes/no questions to identify avatar pictures (using declarative knowledge of what avatars are, gained in Year 1 Unit 1.1 and revisited in the Year 2 Project Evolve lesson 'understanding that people may look and act differently online and offline').

In the final lesson of this unit, pupils are introduced to branching databases as databases (a collection of data) that use yes/no questions to identify objects. They are shown how their identification of avatars last lesson could have been mapped out on a branching tree before using a digital branching tree to identify a new set of objects. They are reminded to look at the object before answering yes/no to the question and then following that branch to the next yes/no question.

Knowledge covered:

NC	**Ladders Objectives**
Use technology purposefully to create, organise, store, manipulate and retrieve digital content	**Y2-IT1 (KPI): I can use technology to create a range of content (image and text based)** Y2-IT2: I can name, save and load my work Y2-IT3: I can edit digital content (editing data) Y2-IT4: I can start to organise digital content (organising data)

Medium Term Lesson Plan:

Lesson 1	L.I: I understand that data can be used to help answer a question *Carry out pre-assessment learning* (Follow unit plan lesson 1)	S.C: Collect data to answer a question Create pictogram to represent data **(Y2-IT1 KPI)** (Y2-IT4) (Y2-IT2) **VOCAB** Data Pictogram Question Tally Chart	Key Question (from KWL) *Link to prior knowledge Unit Spreadsheets* What is data? *Link to prior knowledge Unit 1.1* What app could you use to create a digital pictogram? *Prior knowledge* How do you (load) save your work? (Y2-IT2)

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Lesson 2	L.I: I can collect and organise data Follow unit plan lesson 2)	S.C: Ask a closed question Collect data in a tally chart Create a pictogram to represent data **(Y2-IT1 KPI)** (Y2-IT4) (Y2-IT3) (Y2-IT2) **VOCAB** Closed question Open question	Key Question (from KWL) *Link to prior knowledge Unit Spreadsheets* What is data? *Link to prior knowledge Unit 1.1* What app could you use to create a digital pictogram? What is a closed question?
Lesson 3 unplugged	L.I: I can explore how yes/no questions can be used to sort data (Follow unit plan lesson 3)	S.C: Recognise a yes/no question as a closed question Use a yes/no question to sort and group objects Use a yes/no question to identify objects **VOCAB** Yes or no question avatar	Key Question (from KWL) *Link to prior knowledge Unit Spreadsheets* What is data? *Link to prior knowledge Unit 1.1* What app could you use to create a digital pictogram? What is a closed question? What type of question could you use to sort data?
Lesson 4	L.I: I can use a branching database to identify an object (Follow unit plan - lesson 4)	S.C: Explain what a branching database is Look at the picture Answer yes/no questions step-by-step Follow the branches **VOCAB** Branching database	Key Question (from KWL) What is a branching database?