



TSS Primary ICT MTP 2022-2023 Year 1 Block 4 – How Many?

Week	Key Targets and Learning Objectives	Key Activities	Key Vocabulary
1	<ul style="list-style-type: none">➤ 1MD.01 Know that computing devices can be used in different ways to answer many different types of question.➤ 1DC.04 Know that there are times when the internet is not available.	<ul style="list-style-type: none">➤ What questions has the computer helped you to answer?➤ If a computer isn't working, what else can we use to find information?➤ What is happening in space?➤ Look at how we can find out the information using Google Chrome➤ Use https://spaceplace.nasa.gov/ to look at navigating pages➤ Work through the associated vocabulary.➤ Allow a chance for the children to explore the site.➤ Give a chance to share what they have found out.	<ul style="list-style-type: none">➤ Home page➤ links➤ hyperlink➤ cursor➤ questions➤ information➤
2	<ul style="list-style-type: none">➤ 1MD.02 Know that computing devices can help to sort and organise data.	<ul style="list-style-type: none">➤ What can you use a computer for? – paired talk➤ Talk to the children about how a computer can store data – share register screenshot and a screenshot of the markbooks without names.➤ Share a pictogram➤ Ask a range of questions about the data, for example:<ul style="list-style-type: none"><i>What does this (pointing to a column) show you?</i><i>Which item is the most popular?</i><i>Which item is the least popular?</i><i>How many people chose X?</i><i>How many more people chose X than Y?</i>➤ Get the children to use J2E to explore how it works, first with a ready-made pictogram and then with a blank one https://www.j2e.com/jit5#pictogram➤ Collect favourite minibeast data and get them to make the pictogram.➤ Self-assessment	<ul style="list-style-type: none">➤ pictogram➤ data➤ most popular➤ least popular
3	<ul style="list-style-type: none">➤ 1MD.03 Know how to use a computing device to manually record data, including using a form.	<ul style="list-style-type: none">➤ Review learning from last week.➤ Explain that the children are going to collect data to make a block graph.➤ Either visit another English class or collect the data from the class itself.➤ Give the children the task to find out the most and least popular day of the school week	<ul style="list-style-type: none">➤ table➤ data➤ most popular➤ least popular➤ block graph



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4	<p>➤ 1MD.03 Know how to use a computing device to manually record data, including using a form.</p>	<ul style="list-style-type: none"> ➤ Assign roles and groups so that all children get to do something when collecting data. ➤ Demonstrate how to enter the numbers onto the table online https://www.j2e.com/jit5#chart ➤ Children work in pairs to produce a block graph. 	
5	<p>➤ 1MD.04 Identify questions that can be answered using a data table, limited to categorical data.</p>	<ul style="list-style-type: none"> ➤ Review learning from last week. ➤ Share and discuss what they have found out. ➤ Give the students structured sentences to complete with their information. ➤ Discuss what has been found out. ➤ Self-assessment <p>➤ Share some of the block graphs and pictograms that the class created earlier in this unit and ask questions that challenge learners to think carefully about what the data shows. For example:</p> <ul style="list-style-type: none"> ➤ Does this pictogram show you Amit's favourite fruit? ➤ Answer: No ➤ Does this block graph show you what Marya's favourite day is? ➤ Answer: No ➤ Does this pictogram show you how many people liked pineapple? ➤ Answer: No ➤ Does this pictogram show you how what day people in our class liked most? ➤ Answer: Yes ➤ Provide learners with a selection of up to 10 questions and a block graph or pictogram. Put learners into pairs or small groups and ask them to sort the questions into two groups: those that can be answered by looking at the data, and those that cannot 	<ul style="list-style-type: none"> ➤ table ➤ data ➤ most popular ➤ least popular ➤ block graph ➤ more/less <ul style="list-style-type: none"> ➤ table ➤ data ➤ most popular ➤ least popular ➤ block graph ➤ more/less ➤ question
6	<p>➤ 1CS.03 Know that information and data can be input to computers in many different ways.</p> <p>➤ 1TC.04 Enter familiar words, using a physical or digital keyboard, into a word processor.</p>	<ul style="list-style-type: none"> ➤ Review learning from last week ➤ Review the idea of an input device ➤ Use Typing club to practise finding letters on the keyboard. 	<ul style="list-style-type: none"> ➤ input ➤ copy ➤ paste ➤ most popular



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		<ul style="list-style-type: none">➤ Show the children how to take a screenshot and paste it into a Word document➤ Add sentences to show most/least favourite day of the week or fruit. (Support children to be sent a structured document to do their work onto.)➤ Share children's work if time allows➤ Self-assessment	<ul style="list-style-type: none">➤ least popular➤ more/less
7	<ul style="list-style-type: none">➤ 1P.05 Know how to run programs to test whether they produce the desired result.	<ul style="list-style-type: none">➤ Look at what 'events' are in computing. Use a pretend remote control to demonstrate the concept with different actions being assigned to different buttons - https://studio.code.org/s/coursea-2022/lessons/11/levels/1?section_id=4204213➤ Watch the Play Lab video https://studio.code.org/s/coursea-2022/lessons/12/levels/1?section_id=4204213 and discuss the learning.➤ Children to complete Lesson 12 on code.org.	<ul style="list-style-type: none">➤ event➤ code➤ block(s)➤ sequence➤ algorithm➤ program