Computing Lesson Sequence. Year 2 Term 5/6.

	Data creation, manipulation, storage and retrieval.						
	Information Technology						
Term 5/6	Learning Question & NC Link	Substantive Knowledge To know that…	Disciplinary Knowledge I can…	Vocabulary	Evidence & Assessment Opportunity	Equipment & resources (on share point)	Lesson ideas
Session 1	How do we record data in a Tally Chart? NC- Use technology purposefully to create, organise, store, manipulate and retrieve digital content.	To know how to record data in a tally chart.	Record data in a tally chart Represent a tally count as a total Compare totals in a tally chart	**More than** **Less than** **Most** **Least** **Organise** **Data** **Object** **Tally chart** **Votes** **Total**	1 page of the floor books with pupil voice for each taught lesson. Final pictograms printed for display.	• Suggested Lesson Plan • Power Point • Handout: How Many Animals Worksheets: • Tally Chart • Comparing Totals Laptops/iPads.	https://www.j2e.com/jit5#pictogram (create an account and login to save data/print) See suggested lesson plan.
Session 2	How do we enter data onto a computer? NC- Use technology purposefully to create, organise, store, manipulate and retrieve digital content.	To know how to organise digital content.	Enter data onto a computer Use a computer to view data in a different format Use pictograms to answer simple questions about objects	**Pictogram** **Enter** **Data** **Tally chart** **Compare** **More than** **Less than** **Objects** **Count**	1 page of the floor books with pupil voice for each taught lesson. Final pictograms printed for display.	• Suggested Lesson Plan • Power Point • Video: How to input data Worksheets: • Pictogram coloured circles • Pictogram Questions (1 filled, 1 blank). Laptops/iPads.	See suggested lesson plan.
Session 3	What is a pictogram? NC- Use technology purposefully to create, organise, store, manipulate and retrieve digital content.	To know how to organise data in a tally chart to create a pictogram.	Organise data in a tally chart Use a tally chart to create a pictogram Explain what the pictogram shows	**Tally chart** **Data** **Pictogram** **Explain** **More** **Less** **Most** **Least** **More common** **Least common**	1 page of the floor books with pupil voice for each taught lesson. Final pictograms printed for display.	• Suggested Lesson Plan • Power Point • Video: Making your pictogram • Handout: Minibeast hunt • Worksheet: minibeast Tally Chart Laptops/iPads.	See suggested lesson plan.
Session 4	What is an attribute? NC- Use technology purposefully to create, organise, store, manipulate and retrieve digital content.	To know how to tally objects using a common attribute.	Tally objects using a common attribute Create a pictogram to arrange objects by an attribute Answer more than/less than, most/least questions about an attribute.	**Attribute** **Group** **Same** **Different** **Object** **More than** **Less than** **Most** **Least**	1 page of the floor books with pupil voice for each taught lesson. Final pictograms printed for display.	• Suggested Lesson plan • Power Point • Video: creating your pictogram Worksheets: • Creating a tally • Pictogram Questions Laptops/iPads.	See suggested lesson plan.
Session 5	What can a pictogram tell us? NC- Use technology purposefully to create, organise, store, manipulate and retrieve digital content.	To know how to create and draw conclusions from a pictogram.	Choose a suitable attribute to compare people Collect the data I need Create a pictogram and draw conclusions from it	**Attribute** **Compare** **Tally chart** **Pictogram** **More than** **Less than** **Most popular** **Least popular** **conclusion**	1 page of the floor books with pupil voice for each taught lesson. Final pictograms printed for display.	• Suggested Lesson Plan • Video: Pictograms • Power Point Handouts: • Who have I picked? • Example Questions Worksheet: • Tally Charts Laptops/iPads.	See suggested lesson plan.

Session 6	How can we share the information we have found out? *NC- Use technology purposefully to create, organise, store, manipulate and retrieve digital content.*	To know how to share information using a computer.	Use a computer program to present information in different ways. Share what I have found out using a computer Give simple examples of why information should not be shared.	**Tally chart** **Pictogram** **Block diagram** **Most** **Least** **Common** **Sharing** **data**	1 page of the floor books with pupil voice for each taught lesson. Final pictograms printed for display.	• Lesson Plan • Video: Creating Block Diagrams • Power Point • Worksheet: Tally Chart • Handout: Sharing your data • Solutions: sharing your data. Laptops/iPads.	See suggested lesson plan.
Notes	All resources needed for each lesson are in the file with this lesson sequence on Share Point. Support for planning – Teach computing KS1 – Year 2 – pictograms						