

	<p>Year group: Year 2</p>	<p>Area/topic: Data and Information - j2data (Spring 2)</p>
<p>(objectives from NC/ELG/Development matters)</p> <p>Pupils to be taught:</p> <ul style="list-style-type: none"> • 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. 		

Prior learning	Future learning
<ul style="list-style-type: none"> • Children already have lots of understanding around using technology safely from their internet safety units. They will build on this to understand how this applies to collecting data and inputting data online. • The children have also had experience using different online websites such as Purple Mash. They will now explore a new website - j2data. 	

What pupils need to know or do to be secure

Key knowledge and skills

- Children to understand the importance of collecting and presenting data.
- Children to understand the benefits of using technology to create and present data using technology rather than using pen and paper.
- Children to understand the vocabulary relating to this unit.
- Children will be able to plan questions and collect data based on a line of enquiry ready to input online.
- Children will learn how to input data online using the J2data website to create a pictogram and a chart.
- Children will learn how to interpret and analyse the graph they have created to explain what it tells us.

Possible evidence

- Children will complete some research into favourite animals in the class. They will collect data by asking questions and creating a tally chart. The children will then use this data to create a pictogram online.
- The children will then think of their own line of enquiry which they will then use to create a bar chart using j2data.

Key vocabulary

- **J2data** - The website we will be using to create our pictograms and bar charts.
- **Graph** - A graph shows you information.
- **Data** - A word used to describe information.
- **Pictogram** - A pictogram uses pictures to create a graph.
- **Bar chart** - A bar chart is a type of graph that uses bars (rectangles) to give you information about the number of people that liked a certain thing.
- **Tally chart** - A quick way of recording data. It involves drawing lines to record the numbers.

Common misconceptions

- Children may not understand that the pictures of the animals on the pictogram represents the number of people rather than the number of animals.

Books linking to this area

<i>Memorable first hand experiences</i>	<i>Opportunities for communication</i>
<ul style="list-style-type: none">• Children will be provided with the experience of collecting their own data, creating an online graph (pictogram and bar chart) and then presenting their findings to the class.	<ul style="list-style-type: none">• Children will be given the opportunity to plan and ask questions to peers and adults when they collect their data.• Once they have created their online pictogram and bar chart, the children will then verbally discuss their findings.

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Reasonable adjustments for pupils with SEND

<p><i>Communication and Interaction</i></p> <ul style="list-style-type: none">• Make sure the children are using the correct equipment for them.• Consider headphones to support the child to hear.• Have someone available to read any text that is on the screen.	<p><i>Cognition and Learning</i></p> <ul style="list-style-type: none">• Consider adjusting the brightness and colour so they can see the screen more easily.• Have someone available to read any text that is on the screen.• Shorter steps given at appropriate time.• Simpler logins.• Adult to support with logging in.• Print out which the different functions and tools on.• Step by step guide printed out for them to refer to.
<p><i>Social, Emotional and Mental health</i></p> <ul style="list-style-type: none">• Timer so they understand when they will need to log off.• Clear boundaries.• Online safety instructions made clear.	<p><i>Sensory and Physical</i></p> <ul style="list-style-type: none">• Larger text/equipment.• Print offs instead of screen time.• Appropriate desk, chair, keyboard and mouse.