



Data Handling

Levelled Examples



Context:

The teacher led a whole-class activity where the children approached the Interactive White Board to record how they travelled to school. The children worked in pairs on the laptops to complete the activity.

What the children did:

Children used the Tally Chart to create their own Pictogram. They answered questions about their data.



What the children said:

I found out that most children walked to school.

Not many children come to school by bus.

Pupils should:

- Know that a pictogram can be used to compare things.
- Know that we can collect information to make a pictogram.
- Say what the pictogram shows.
- Know how to use key words to describe an object.

Next steps:

- Be able to suggest what information I need to collect.
- Be able to collect the information and add it to a group pictogram.
- Be able to explain what the pictogram shows.
- Know how to interpret a graph and make comparisons.
- Know how to use key words to label and classify objects.

Suggested resources:

Pictogram software e.g. 2Count (Infant Video Toolkit), RM Starting Graph, Pick a picture, My World.

Example Cross Curricular Activities:

- Interpret a pictogram showing the types of houses people live in (Geography).
- Undertake a traffic survey and interpret a pictogram (Geography).
- Interpret a pictogram showing the most popular food / fruit in the class (PSHE / Science).
- Collect and analyse class-based data about themselves e.g. eye colour / pets (PSHE / Science).
- Use ICT to sort objects according to whether they are living or not, or by material (Science).

Attainment target for ICT

Early Years Foundation Stage

Pupils show an interest in ICT. They know how to operate simple equipment. They complete a simple program on the computer and/or perform simple functions on ICT equipment. They find out about and identify the uses of everyday technology and use information and communication toys to support their learning.

Level 1

Pupils explore information from various sources, showing they know that information exists in different forms. They use ICT to work with text, images and sound to help them share their ideas. They recognise that many everyday devices respond to signals and instructions. They make choices when using such devices to produce different outcomes. They talk about their use of ICT.

Level 2

Pupils use ICT to organise and classify information and to present their findings. They enter, save and retrieve work. They use ICT to help them generate, amend and record their work and share their ideas in different forms, including text, tables, images and sound. They plan and give instructions to make things happen and describe the effects. They use ICT to explore what happens in real and imaginary situations. They talk about their experiences of ICT both inside and outside school.