

# Computing 22-23

## Year 1 – Data and information- Grouping data

**Remember when:**

ipad – selfie, ipad - draw

**Key vocabulary**

**By the end of the unit children must be able to:**

I can describe objects using labels

I can count a group of objects

I can describe a property of an object

I can group similar objects

I can choose how to group objects

Object, data set more,  
label, less, most,  
group, fewest  
search,  
image  
property,  
label,  
colour, size,  
shape

**National curriculum:**

- Use technology purposefully to create, organise, store, manipulate, and retrieve digital content
- Use technology safely and respectfully

### Software/ Overview

This unit introduces learners to data and information. Labelling, grouping, and searching are important aspects of data and information. Searching is a common operation in many applications, and requires an understanding that to search data, it must have labels

**Title / Focus**

**Lesson outline**

**Lesson 1** Label and match

LO- To label objects  
SK-I can describe objects using labels

Learners will begin to understand that objects have many different labels that can be used to put them into groups. They will name different objects and begin to experiment with placing them into different groups. Learners will also label a group of objects, and begin to understand that an object can fit into more than one group depending on the context.

**Lesson 2** Group and count

LO-To identify that objects can be counted  
SK- I can count a group of objects

Learners will begin to think about grouping objects based on what the objects are. They will demonstrate the ability to count a small number of objects before they group them, and will then begin to show that they can count groups of objects with the same label. Learners will also begin to learn that computers are not intelligent, and require input from humans to perform tasks.

**Lesson 3** Describe an object

LO- To describe objects in different ways  
SK- I can describe a property of an object

Learners will begin to understand that objects can be described in many different ways. They will identify the properties of objects and begin to understand that properties can be used to group objects; for example, objects can be grouped by colour or size. Finally, learners will demonstrate their ability to find objects with similar properties and begin to understand the reason that we need to give labels to images on a computer.

**Lesson 4** Making different groups

LO- To count objects with the same properties  
SK- I can group similar objects

Learners will classify objects based on their properties. They will group objects that have similar properties, and will be able to explain how they have grouped these. Learners will begin to group a number of the same objects in different ways, and will demonstrate their ability to count these different groups.

**Lesson 5** Comparing groups

LO- To compare groups of objects  
SK- I can choose how to group objects

Learners will choose how they want to group different objects by properties. They will begin to compare and describe groups of objects, then they will record the number of objects in each group.

**Lesson 6- Assessment**

Assessment task to be created by the teachers to assess the children's knowledge.

Working towards

**End of Unit Assessment**

Working at Age related expectations

Working at a greater depth