SCARCLIFFE PRIMARY SCHOOL

Computing Knowledge Organiser
Class 1

What is computing? Computing is learning about using technology to make things **easier, better** or **quicker.**

Computer Science - Systems and Networks:

You need to:
- Name the parts of a computer. (monitor, keyboard, mouse)

- Develop mouse and keyboard skills.

Can you…
- Find technology in the class?
- Explain it helps us?

Computer Science - Programming and Coding: Programming is giving instructions to computers.

You will…

- Explain what happens when buttons are pressed.

- Solve problems by making a Beebot move.

- Create instructions (or commands) for a Beebot.

- Predict what will happen and improve your instructions.

Help an onscreen Beebot navigate around a course.

Predict what will happen on screen.

Digital Literacy –
Using the internet and online safety:

You will…

- Know how to use ICT to find information.

- Use the correct buttons on a website.

- Follow the school internet safety rules.

- Know where work is stored.

Digital Literacy –
Communication and collaboration

You will…

- Know how to use technology and tools safely.

- Know how to stay safe online.

INTERNET SAFETY

Information Technology (IT) – Multimedia

You will…

Use a keyboard – space, delete, shift and enter

Insert text, images, pictures and sound

You will use…
- Book Creator, Word and J2 Data (Write)

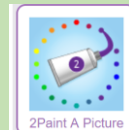## Information Technology (IT) – Digital Imagery

You need to:
- Use a paint package to create a picture.
- Explore with shape, line and colour.

- Take a photo and talk about the tools used.
- Talk about images and who sees them.

You will use…
- 2Paint – Purple Mash
- iPads

Information Technology (IT) – Music and Sound

You need to:

- Listen to a range of music and sound.

- Record, share and talk about recordings.
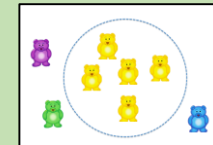
You will use:
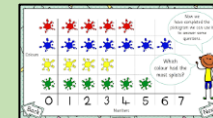- Seesaw – microphone button.

Information Technology (IT) – Data

You need to:
- Sort objects on screen.

- Create pictograms.

Compare…
Is it better doing these things in real life or using a computer?

You will use…
- Purple Mash Pictograms
- J2 Pictograms