Year 1, Term 1– Knowledge Organiser —Computing—**Me and My Community**

Subject Specific Vocabulary

word	definition
Base unit	Part of a computer that stores and processes information
Trackpad	The touchpad on a laptop which does the job of a mouse
technology	Anything made by people to help us

Technology around us

Technology is all around us. Technology is anything made by people to help us.

Computers come in different forms including desktops and laptops.
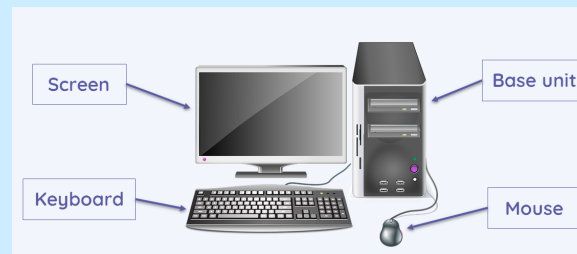
The screen shows us what the computer is doing.

The mouse or trackpad lets you select or move objects.

The keyboard lets you type letters and numbers.

The base unit is where information is stored and processed.

Interesting Website

www.ictgames.com A wide selection of Maths and Literacy games. Popular games include 'Counting Caterpillar, Save the Whale and Poop Deck Pirates.

Home Challenge!

Try using the

https://paintz.app/

to draw a picture using your mouse skills.

E-Safety—
'If you see something that makes you feel sad or uncomfortable always:

• Tell a trusted adult e.g. parent / teacher.

• Leave the computer.

• Click on the X in the corner of the

E-Safety Video:
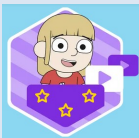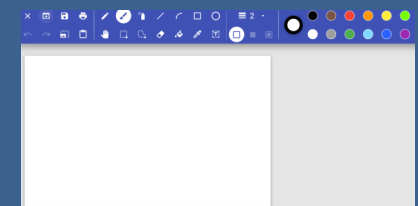
Collect the Watching Videos Badge!

6-7s Homepage | CEOP Education (thinkuknow.co.uk)

Year 1, Term2 – Knowledge Organiser —Computing— **Enchanted Woodlands**

Subject Specific Vocabulary

Insert a shape

Fill icon

Spray paint icon

Undo icon

Save icon

E-Safety
- Think very carefully before sharing any pictures online.
- Always ask a grown up before you share a picture.

E-Safety Video:

JESSIE & FRIENDS
Sharing Pictures
Episode 2

Collect the sharing pictures badge.

[6-7s Homepage | CEOP Education (thinkuknow.co.uk)](#)

Digital Painting

Pictures can be made in lots of different ways, including using a computer.

A range of tools can be used to create different shapes, dots and lines to form pictures.

Choosing appropriate colours, brush sizes and brush tools can create art in a range of styles.

It is important to save work after completing it so that you can go back to it again in the future.

Interesting Website

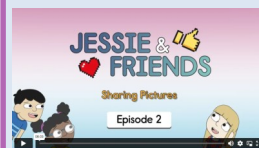https://www.topmarks.co.uk/ - There are a growing number of educational games on this website. You can filter them down to a subject or age group. Helicopter Rescue is a particularly popular one!

Home Challenge!

We have looked at creating art in different ways. How many different ways can you create a sunflower?

Year 1, Term 3– Knowledge Organiser— Computing— **Pirates**

Subject Specific Vocabulary

word	definition
command	Telling the robot what to do by pressing a button
program	The sequence of commands given to a robot
debug	Finding and fixing problems
Algorithm	A set of instructions to be followed.

Moving a robot

Robots follow clear, fixed commands in a predictable way. A sequence of commands form an algorithm.

We will be following and writing our own algorithms to follow different routes with the 'beebots'. This will practise our understanding of forwards, backwards, turn left, turn right.

Two of the buttons make the floor robot move forwards and backwards. Two of the buttons make the robot turn left or left but remain in the same place.

Interesting App

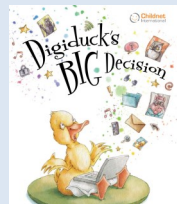**Bee-Bot**

App store/Google Play

Cost: Free

Aimed at: 4+

Your child will learn to program this device in school. The app will support them in their learning of directions and programing in ICT.

Home Challenge!

Write an algorithm to get to a location in your house e.g. to get a snack!

E-Safety

- Think very carefully before sharing any pictures online.
- Always ask a grown up before you share a picture.

E-Safety book:

Year 1, Term 4— Knowledge Organiser — Computing— **Old Toys**

Subject Specific Vocabulary

word	definition
label	A descriptive name given to an object of group of objects
group	A collection of objects with similar properties
compare	To look at similarities and differences

E-Safety
We will learn about keeping our information safe.
Private Information is…

- Name
- Address
- Telephone
- School
- Email address
- Password

E-Safety Video:

Grouping Data

Objects can be grouped and classified based on their properties.

Vocabulary for describing
shape size colour same
more than less than most least
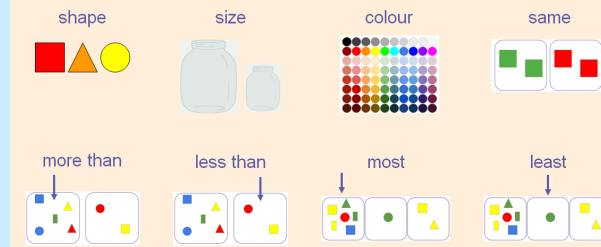
Objects or groups of objects can be described by their label. Their label helps them to be spoken about and found easily.

Grouping objects can make them more easily looked at and compared.

Comparing objects is when you look at what is similar and what is different.

Interesting App

PicCollage

App store/Google Play

Cost: Free

Combine pictures and text to make posters. You could make a poster about your favourite toys or how people should look after them.

Home Challenge!

Collect 10 of your favourite toys.

Can you find a way to group your toys? Give each group a label.

Is there more than one way to group them?

Year 1, Term 5— Knowledge Organiser — Computing— **Going Green**

Subject Specific Vocabulary

word	definition
Keyboard	The part of a computer which lets you type letters and numbers
Toolbar	A strip of icons that can be clicked
Bold	Text that looks thicker and darker
italic	Text that slants to the right
underline	Text with a line underneath

E-Safety
We will learn about keeping our information safe. Private Information is...
- Name
- Address
- Telephone
- School
- Email address

E-Video:

Hector's World Episode 1

Digital Writing

*Word processors are applications that allow us to create text on computers.*

Keyboards allow us to press keys to add text.

Capital letters can be typed using the Caps lock button.

Icons from the toolbar can be chosen to alter how the text looks.

Font size, colour and style can be changed by selecting the text and selecting the relevant icon.

Interesting Website

https://www.oxfordowl.co.uk/login?active-tab=students
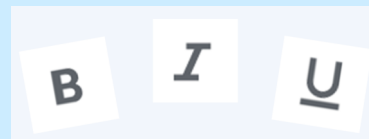
You can read many ebooks on the Oxford Owl website for free.

Username: summerhill4

Password: yearone

Home Challenge!

Use https://www.j2e.com/jit5

to practise your typing skills.

How many ways can you type your name differently?

Year 1, Term 6— Knowledge Organiser— Computing— **Castle & Dragons**

Subject Specific Vocabulary

| word	definition
sprite	A character within Scratch programs
command	An instruction given
program	A sequence of instructions
blocks	A piece of code that can be joined an sequenced

Programming animations

Sprites can be given commands which will trigger an event e.g they could be given a command to move.

Different blocks can be joined together to create different algorithms.

A program can be started by clicking on the Start block. clicking on a Start block.
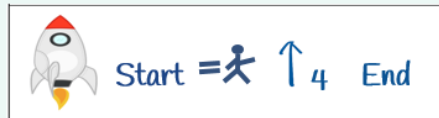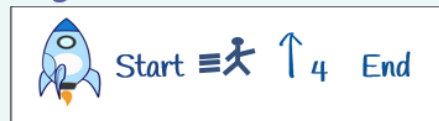
Interesting App

Try the apps 'Castlerama' and 'Aurasma' to make the virtual feel more like reality

Home Challenge!

Try to go on Scratch Jnr at home and create your own program t run.

Can you design a castle background?