

<p><b>Question:</b> What is a computer? Technology around us.</p>		
<p><b>National Curriculum Link:</b></p> <ul style="list-style-type: none"> <li>• Recognise common uses of information technology beyond school</li> <li>• Use technology purposefully to create, organise, store, manipulate, and retrieve digital content</li> <li>• 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.</li> </ul>		
<p><b>International Baccalaureate Learner Profile Link:</b></p> <p><b>Knowledgeable.</b> What do I know already? I can share my knowledge with others. I apply what I know to new situations and opportunities.</p> <p><b>Thinkers</b> How can I stretch myself by thinking deeply about new information? How might thinking about thinking help me as a learner?</p>		
<p><b>Prior Skills: Reception</b></p> <p><u>Understanding the World: Technology.</u></p> <p><u>Early Learning Goal:</u> Children recognise that a range of technology is used in places such as homes and schools. They select and use technology for particular purposes.</p>	<p><b>New Skills: Year 1</b></p> <p>To choose a piece of technology to do a job. To recognise that some technology can be used in different ways. To identify the main parts of a computer. To use a mouse in different ways. To use a keyboard to type. To use the keyboard to edit text. To show how to use technology safely.</p>	<p><b>Future Skills: Year 2</b></p> <p>To describe some uses of computers. To identify information technology in school. To identify information technology beyond school. To show how to use information technology safely.</p>

**Knowledge, Skills and Understanding:**

CS: Computing systems      AL: Algorithms.

To learn about saving work in a special place and retrieve it again.

To use technology to collect, sort and display information that could include data, photos, video or sound.

To learn how to access and search the web.

To identify people they can trust and who they can ask for help when using the internet.

**Challenge:**

Can children write a set of instructions of how to open a file, edit and save it.

Can children draw and label a computer, showing the parts they have looked at.

**Resources:**

Hardware: iPads, laptops

Apps- Book Creator,

Old, unused computers for continuous provision.  
Magnifying glasses etc.

Teach computing website and plans.

**Websites or Apps:**

<https://www.bbc.co.uk/bitesize/topics/zbhgjxs/articles/z9myvcw> (parts of a computer).

<https://www.twinkl.co.uk/resource/tp-i-159-planit-computing-year-1-using-and-applying-unit-pack> (pack to use as reference).

<http://www.crazy4computers.net/computer-parts.html> (parts of a computer).

**Extended Writing Opportunities:**

How could you describe parts of a computer to someone new?

How can we keep safe and healthy when using the computer?

**Vocabulary:**

Mouse/trackpad, screen, keyboard, desktop, laptop, switch on, log on, drag, technology, cursor, textbox, rules, keeping safe.

**Numeracy skills:**

Comparing prices of different devices.  
Data collection ie tally charts for walk around school to look at hardware that can be found.

**Suggested Quality Texts:**

See selection in library

**WOW Experience:**

Visitor to come into school to show how a computer works.

**Cross Curricular Links:**

Philosophy- remaining safe online.

Art enquiry time- building parts of a computer.