



| Year Group: | 1 | Strand: 1 | Computing Systems and Networks |
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| How do I use a school computer independently? | | | |
| Key NC Objectives | <ul style="list-style-type: none"> Recognise common uses of information technology beyond school Use technology purposefully to create, organise, store, manipulate, and retrieve digital content Use technology safely and respectfully, keeping personal information private | | |
| Unit Objectives | <ul style="list-style-type: none"> Identify a range of technology and different digital devices. Identify a computer and its main parts and explain what they are used for. Use a mouse in different ways Use a keyboard to type and edit text Understand how to use a computer responsibly | | |
| Suggested learning activities | <ul style="list-style-type: none"> Children understand the basics of accessing the school computers, they know how to log on to the computer and understand why we have a password. Children can identify the main parts of a computer or tablet: mouse, keyboard, screen, buttons and camera. See Teach Computing materials: https://teachcomputing.org/resources Year 1 Unit - Computing Systems and Networks, Lesson 1 and Lesson 2 Children will practise keyboard and mouse skills. They will be introduced to useful keys on the keyboard: enter, shift, space, delete, backspace, arrows. Children could see a print out a picture of a "Qwerty" (computer) keyboard onto paper and teacher say a letter and the children find the corresponding key. The same activity could be done using the keyboard. See Teach Computing materials: https://teachcomputing.org/resources Year 1 Computing Systems and Networks, Lesson 3: Developing Mouse Skills and Lesson 4 and Using a Computer Keyboard. Use the software: http://paintz.app to create a piece of work including writing simple sentences about themselves. See Teach Computing materials: https://teachcomputing.org/resources Year 1 Computing Systems and Networks, Lesson 5: Developing Keyboard Skills | | |
| Extra Links and Planning Resources | Typing Activity: BBC Dance Mat https://www.bbc.co.uk/bitesize/topics/zf2f9j6/articles/z3c6tfr Mouse Control Activities: https://www.happyclicks.net/click-tap-games/index.php https://scratch.mit.edu/projects/56751348/ https://scratch.mit.edu/projects/56752010 What is a computer? https://www.bbc.co.uk/bitesize/topics/zymyqat/articles/zc4x6sg https://www.bbc.co.uk/bitesize/topics/zbhgixs/articles/z9myvcw | | |
| Online Safety | Using a computer responsibly: Children explore the rules around using technology responsibly and safely in school and at home. See Teach Computing materials: https://teachcomputing.org/resources Year 1 Computing Systems and Networks, Lesson 6: Using a computer responsibly Passwords Understanding that passwords are private and why we don't share them and why we use passwords. | | |
| Previously Taught Vocabulary | Computer, technology, mouse, keyboard | | |
| New Key Vocabulary | Click: pressing the button on the computer mouse. Computer: an electronic device for storing or processing data. Double Click: pressing the button on the computer mouse twice in quick succession. Mouse: an input device that controls the screen cursor (arrow on the screen). Input Device: a piece of equipment used to control/provide data to a computer. Keyboard: an input device that enters letter, numbers and other symbols into a computer. | Screen: an output device that displays information as a picture. Password: a secret word that is used to access the computer. Technology: something that has been made by people to help us. | |



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| | <p><i>Key Keyboard functions: Enter / Delete / Backspace/Capital Letter/Full Stop/Space Bar</i></p> | |
| <p>Core Substantive Knowledge</p> | <p>This unit focuses on the definition of technology and offers learners the opportunity to explore computer technology by using a computer mouse and keyboard, with the option of an online paint application.</p> <p>For this unit, you require a secure knowledge of how technology is defined and what is and what is not technology.</p> <p>You should be familiar with:</p> <ul style="list-style-type: none"> • Functions of a computer mouse • Functions of a computer keyboard (and that both of these are input devices) • Paintz.app online paint application – how to save and print from here to gain a final copy of work completed in lesson 5 linked to text typing. | |
| <p>Prior Knowledge</p> | <p>In Foundation Stage, pupils will have learned to:</p> <ul style="list-style-type: none"> • Identify the main parts of a computer. • Use a mouse to move the arrow around a screen with purpose. • Use a mouse to click an item on the screen. • Use a keyboard to press letters and attempt typing. • Investigate a computer-How do you turn it on? How do you change the volume or open up an application? • Discuss common technology in the home, school, and wider world. | |
| <p>Assessment</p> | <p>Pupils that are secure in this unit can:</p> <p>Pupils can name a range of digital devices in the home and at school. They can explain what the basic parts of a computer are used for, e.g. mouse, screen, and keyboard. Pupils can use a mouse to click and drag around the screen and use a keyboard to type a simple sentence. Pupils can use a simple password when logging on and understand the rules around using technology safely and responsibly in school and at home.</p> <p>This will be assessed through outcomes, observations and questioning in lessons.</p> | |