







# Waterbeach Community Primary School

## Curriculum Capture for Year 2

### Computing: Computer Systems and Networks-IT Around Us

Key Knowledge	
<p><b>What is IT?</b></p> <p>IT stands for Information Technology.</p> <p>Information Technology is a computer or something that is made to work with computers.</p>  <p>Examples could include:</p> <ul style="list-style-type: none"> <li>-<b>Computers:</b> PCs, laptops, tablets</li> <li>-<b>Things made to work with computers:</b> scanners, barcode scanners, printers, smart speakers</li> </ul>	<p><b>What are the benefits of IT?</b></p> <p>Information technology has many benefits and can help people to do lots of things that would otherwise be very difficult and time consuming.</p> <p>IT can:</p> <ul style="list-style-type: none"> <li>-<b>save humans time</b></li> <li>-<b>make it easier to keep records</b></li> <li>-<b>make it easier to do jobs / school work in different places</b></li> <li>-<b>help people do difficult jobs more quickly and accurately</b></li> <li>-<b>hold lots of information, which humans might forget</b></li> </ul>
<p><b>What do we use IT for in school?</b></p> <p>We have lots of information technology in school which has lots of different uses. Some examples include <b>laptops, Bluebots, visualisers, photocopiers, printers, iPads and interactive whiteboards.</b></p> <p>These pieces of information technology can help us to do lots of things such as:</p> <ul style="list-style-type: none"> <li>-<b>learn</b></li> <li>-<b>communicate</b></li> <li>-<b>play/have fun</b></li> <li>-<b>to help you do a job</b></li> </ul> 	<p><b>How can I use technology safely?</b></p> <p>When we are using technology, it is important to consider how we use it safely.</p>  <p>We should think about:</p> <ul style="list-style-type: none"> <li>●When you are allowed, or not allowed, to use the device.</li> <li>●Only watching suitable videos or using the device for suitable activities or games.</li> <li>●Taking turns with a sibling.</li> <li>●Looking after the device. For example, sitting down when using it, or always using two hands to carry it.</li> </ul>
<p><b>How is IT used beyond school?</b></p> <p>There is information technology all around us. As you walk down the street, or visit a café or shop, you will see various pieces of information technology that will all have a job/purpose. These may include:</p> <ul style="list-style-type: none"> <li>-Tills</li> <li>-Speed cameras</li> <li>-Cashpoint machines</li> <li>-Security cameras</li> </ul> 	<p><b>How can I use IT in different ways?</b></p> <p>Even though we may wish we could just do our favourite thing or subjects all the time, it is important that we do a variety of different activities to keep our brains working and provide lots of different learning experiences.</p> <p>Try to think about the different ways you could use IT:</p> <ol style="list-style-type: none"> <li><b>1. Connect:</b> message someone, talk on a video call, talk face-to-face with someone</li> <li><b>2. Be active:</b> time away from using technology, physical play, running, skipping, etc, Go Noodle, Cosmic Yoga on YouTube.</li> <li><b>3. Get creative:</b> use a computer or tablet to paint a picture, write a story, etc.</li> <li><b>4. Give to others:</b> do things for other people, say something kind to a friend etc.</li> <li><b>5. Be mindful:</b> take a break, make space, be away from technology, colour, draw etc.</li> </ol>

Vocabulary	
Information Technology	A computer or something that works with a computer.
Computer	A computer is a <b>device for working with information (data)</b> . The information can be numbers, words, pictures, movies, or sounds. Computer information is also called data.

Useful Websites
<a href="https://www.bbc.co.uk/bitesize/topics/zbhgjxs">https://www.bbc.co.uk/bitesize/topics/zbhgjxs</a> -Lots videos related to IT.