

 <p style="text-align: center;"><b>Crosby Primary School</b></p>	<p style="text-align: center;"><b>Computing Medium Term Plan Year 3 /4 - Spring Term</b></p>	<p style="text-align: center;"><b>The Internet Unit 4.1 (6 Weeks)</b></p>
<p><b>National Curriculum (Core Learning)</b> Apply knowledge of networks, appreciate the internet as a network of networks which need to be kept secure and understand content, what they can access, add, create as well as evaluate online content.</p> <p>Computing National Curriculum:</p> <ol style="list-style-type: none"> <li>1. Understand computer networks including the internet; how they can provide multiple services, such as the World Wide Web, &amp; the opportunities they offer for communication and collaboration</li> <li>2. Use search technologies effectively, appreciate how results are selected &amp; ranked, and be discerning in evaluating digital content</li> <li>3. Select, use, and combine a variety of software (inc internet services) on a range of digital devices to design and create a range of programs, systems &amp; content that accomplish given goals, including collecting, analysing, evaluating &amp; presenting data information</li> <li>4. Use technology safely, respectfully, &amp; responsibly; recognise acceptable/ unacceptable behaviour; identify a range of ways to report concerns about content and contact.</li> </ol> <p><b>Curriculum Links PSHE (L6)</b> Evaluating content for honesty and accuracy</p>	<p><b>Prior Knowledge</b> Dependency on Teach it unit 3.1 This must be taught in the Autumn Term.</p> <p>Assessment: Teacher assess learners can recognise, have knowledge and understanding via questioning 121 and group tasks.</p> <p><b>Vocabulary</b> Generic vocabulary: accurate, advert, content, data , data centres, download, files, honest, information, links, ownership , permission and sharing <b>New Topic vocabulary:</b> <b>Internet: Is a worldwide system of computer networks.(It is connected by lots of routers).</b> <b>Network: A group or system of interconnected things or people</b> <b>Network switch: A network switch forwards data packets between devices. Switches send packets directly to devices, rather than sending them to networks like a router does.</b> <b>Network security: Protects your network and data from breaches, intrusions and other threats.</b> <b>Route: A route is a way of getting from one place to another.</b> <b>Routers: enable messages to be passed between networks via switches.</b> <b>Routing:is the process of path selection in any network.</b> <b>Server: A computer or program which manages access to a centralised resource or service in a network.</b> <b>Wireless access point (WAP):</b> <b>Web browser:A web browser is an application for accessing websites.</b> <b>Web Page: A hypertext document (page/s) on the World Wide Web.</b> <b>Web address: or a Uniform Resource Locator (URL), is a unique reference that directs you to a specific page, file or photo on the internet.</b> <b>World Wide Web:Is part of the internet where we can visit web pages and websites.</b></p>	<p><b>Resources</b></p> <p><b>Visit:</b> <a href="https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-the-internet">https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-the-internet</a></p> <p>For Unit Plan, Lesson Plans unit plans and Learning Graphs</p>
<b>Lesson Sequence</b>		
<b>Learning Objective/Success Criteria</b>	<b>Core Knowledge</b>	<b>Additional Information</b>

<p><b>L1 Connecting networks</b></p> <p>LO To describe how networks physically connect to other networks</p> <p>Success criteria:  I can describe the internet as a network of networks  I can demonstrate how information is shared across the internet  I can discuss why a network needs protecting</p>	<p><b>Procedural Knowledge (Skills):</b>  <b>NONE REQUIRED</b></p>	<p>L1 See lesson plan  <a href="https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-the-internet/connecting-networks">https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-the-internet/connecting-networks</a>  Use Key Q <b>Why do we need to keep networks safe?</b></p>
<p><b>L2 What is the internet made of?</b></p> <p>LO To recognise how networked devices make up the internet</p> <p>Success criteria:  I can describe networked devices and how they connect  I can explain that the internet is used to provide many services  I can recognise that the World Wide Web contains websites and web pages</p>	<p><b>Propositional Knowledge (Concepts):</b></p> <ul style="list-style-type: none"> <li>• Outline how information can be shared via the World Wide Web (www).</li> </ul>	<p>L2 See lesson plan and presentation  <a href="https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-the-internet/what-is-the-internet-made-of">https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-the-internet/what-is-the-internet-made-of</a>  Use Key Q What is the internet made of?</p>
<p><b>L3 Sharing information</b></p> <p>LO To outline how websites can be shared via the World Wide Web (WWW)</p> <p>Success criteria:  I can explain the types of media that can be shared on the WWW  I can describe where websites are stored when uploaded to the WWW  I can describe how to access websites on the WWW</p>	<ul style="list-style-type: none"> <li>• Evaluate the reliability of content and the consequences of unreliable content.</li> </ul> <p>Describe:</p>	<p>L3 See lesson plan and presentation  <a href="https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-the-internet/sharing-information">https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-the-internet/sharing-information</a>  Use Key Q How can I access the world wide web?  Where are websites hosted?  Web addresses What do you think these mean .gov .com .sch ?</p>
<p><b>L4 What is a website?</b></p> <p>LO To describe how content can be added and accessed on the World Wide Web (WWW)</p> <p>Success criteria:  I can explain what media can be found on websites  I can recognise that I can add content to the WWW  I can explain that internet services can be used to create content online</p>	<ul style="list-style-type: none"> <li>• how networks connect to other networks.</li> <li>• how to access the www;</li> <li>• the types of content/media that can be added, created, and shared on the www;</li> <li>• the current limitations of www media.</li> </ul> <p>Explain:</p>	<p>L4 See lesson plan and presentation  <a href="https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-the-internet/what-is-a-website">https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-the-internet/what-is-a-website</a>  Use Key Q What is a website? What is on a website?</p>
<p><b>L5 Who owns the web?</b></p> <p>LO To recognise how the content of the WWW is created by people</p> <p>Success criteria:  I can explain that websites and their content are created by people  I can suggest who owns the content on websites  I can explain that there are rules to protect content</p>	<p>Explain:</p> <ul style="list-style-type: none"> <li>• how the content of the www is created, owned, and shared by people;</li> <li>• that the global interconnection of networks is the internet.</li> <li>• the benefits of the www. Recognise:</li> </ul>	<p>L5 See Lesson plan and presentation  <a href="https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-the-internet/who-owns-the-web">https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-the-internet/who-owns-the-web</a>  Use Key Q Who owns the web? Who does this belong to?  Who owns this information?</p>

<p><b>L6 Can I believe what I read?</b> LO To evaluate the consequences of unreliable content</p> <p>Success criteria: I can explain that not everything on the World Wide Web is true I can explain why some information I find online may not be honest, accurate, or legal I can explain why I need to think carefully before I share or reshare content</p>	<ul style="list-style-type: none"><li>• that the www is part of the internet;</li><li>• the need for security on the internet.</li></ul>	<p>L6 See Lesson plan and presentation</p> <p><a href="https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-the-internet/can-i-believe-what-i-read">https://teachcomputing.org/curriculum/key-stage-2/computing-systems-and-networks-the-internet/can-i-believe-what-i-read</a></p> <p>Use Key Q Can I believe what I read? What do you think about these pictures? How do you think they were created? Why were they created?</p>
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