

Autumn 1 –Understanding Technology – Computer Systems and Networks -The Internet

Knowledge I know...	Skills I can...	Links back to I remember...
<ul style="list-style-type: none"> <li>• The internet is a global network of networks.</li> <li>• The importance of keeping networks safe.</li> <li>• The internet is used to provide many services.</li> <li>• The World Wide Web is the part of the internet that contains websites and web pages.</li> <li>• Routing is a way of getting from one place to another.</li> <li>• The internet is connected by lots of routers.</li> <li>• Files can be shared on the internet.</li> <li>• The internet can be used to send emails.</li> <li>• A web address is made up of WWW and a domain name.</li> <li>• The end of a web address can tell you where it originates from.</li> <li>• Most websites are hosted in large data centres.</li> <li>• There are different types of web browsers.</li> <li>• Websites and their content are created by people and can suggest who owns the content.</li> <li>• There are rules to protect content.</li> <li>• Not everything on the internet is true.</li> <li>• I need to think carefully before I share or re-share content online.</li> </ul>	<ul style="list-style-type: none"> <li>• Demonstrate how information is shared across the internet.</li> <li>• Discuss why a network needs protecting.</li> <li>• Describe networked devices and how they connect.</li> <li>• Explore a website and list what I find.</li> <li>• Identify similarities and difference between web pages.</li> <li>• Explain the types of media that can be shared on the World Wide Web [WWW].</li> <li>• Describe where websites are stored when uploaded to the WWW.</li> <li>• Describe how to access websites on the WWW.</li> <li>• Recognise that I can add content to the World Wide Web.</li> <li>• Explain that internet services can be used to create content online.</li> <li>• Explain why some information I find online may not be honest, accurate or legal.</li> </ul>	<ul style="list-style-type: none"> <li>• Digital devices must have an input, a process and an output.</li> <li>• Digital devices accept inputs and produce outputs.</li> <li>• The difference between an input and output device and can name examples.</li> <li>• How digital devices can change the way we work.</li> <li>• A computer network is a group of computing devices that exchange data and resources with each other.</li> </ul>

Vocabulary:

**Internet:** a vast network that connects computers all over the world.  
**Router:** enable messages to be passed between networks via switches.  
**Block:** restricting access to information.  
**Allow:** allow access to information.  
**Website:** a collection of pages under one name,  
**Web page:** a single page or document on the World Wide Web.  
**Domain name:**  
**Data centre:** large buildings full of powerful computers owned by companies such as Google, Amazon, Apple and Microsoft.  
**Web browser:** software that allows us to see the eb pages that we are accessing e.g. Google Chrome, Firefox, Edge  
**WWW:** World Wide Web

Images:

