

St John Vianney Year 4 – Computer Systems and Networks – Autumn 1st

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Overview		The World Wide Web	
<p>The Internet</p> <ul style="list-style-type: none"> -You should also know that <u>Information technology</u> (I.T.) includes <u>computers</u> and <u>things that work with computers</u>. -You should also know that information and data can be shared by devices across <u>networks</u>. -The <u>internet</u> is a <u>network of networks</u> that is used around the world. -The <u>World Wide Web</u> is a system on the internet that has websites and webpages. -Some content is <u>protected</u> on the internet. It is important to know that not all information on the internet is <u>accurate</u>. 		<p>The World Wide Web</p> <ul style="list-style-type: none"> -The <u>World Wide Web</u> is the part of the internet where we can visit web pages and websites. -Information can be shared in the form of things <u>we can see or hear</u> (e.g. things we can read, music, sounds, or videos, etc.). -When we use the world wide web, routers help us to journey to different networks in different parts of the world. -We can use traceroute tools to track the journey between routers. -Web browsers, e.g. Google Chrome and Internet Explorer, let us look at different pages on the internet. 	
<p>Networks and The Internet</p> <ul style="list-style-type: none"> -Networks connect different devices to one another, allowing for information sharing. -Networks can also connect to other networks in different places, using a router. -The <u>internet</u> is a <u>network of networks</u> that are all connected together. 		<p>Website and Webpages</p> <ul style="list-style-type: none"> -<u>Websites</u> are a set of webpages. -<u>Webpages</u> may contain different features, e.g. a title, links to other pages, images, videos, and text. -Websites and webpages can be found using web addresses (domains), normally split into three parts: <ol style="list-style-type: none"> 1. www (world wide web). 2. Name of the organisation/ topic. 3. Type of organisation/ location. 	
<p>Router: A router is something that finds a route between networks, connecting them.</p> 		<p>The Internet: The internet is a network of networks, that is used around the world to share information and communicate.</p> 	
<p>Protection: Networks have security features that mean they can block or allow messages and requests. This means that information and data can be kept safe.</p> 		<p>Ownership and Reliability</p> <ul style="list-style-type: none"> -The content on the internet may <u>belong</u> to different people or companies, for example the person who wrote it or the company who <u>published</u> it. -The content may be <u>copyrighted</u>, meaning that others cannot copy or use it without permission. -Not all of the information that we see or hear on the internet is <u>reliable</u>. Some of it may be <u>inaccurate</u> due to people lying or misunderstanding things. -Inaccurate information can <u>quickly spread</u>. This has become known as 'fake news.' We should check multiple sources that we can trust to <u>verify</u> information. 	
<p>Important Vocabulary</p>			
Network	Internet	World Wide Web	Router
Security	Website	Webpage	Browser
Domain	Reliable		