Christ the King Catholic Voluntary Academy
Computing Medium Term Plan: year 4 Computer Science

Name of Unit: The Internet	NC Objectives	Big Question: How does the internet work?	Term:
Prior Learning: **Year 1** • knowledge of using technology safely and responsibly • Using a mouse and keyboard • Understanding technology in the classroom and real world **Year 2** • Identify IT and it's uses in the real world (including barcodes) • Create and use QR codes • Learn about the digital 5 a day **Year 3** -what a computer network is -what a server is -what a switch is	**Computing** • Understand computer networks including the internet; how they can provide multiple services, such as the World Wide Web, and the opportunities they offer for communication and collaboration • Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content • Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information • Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact. **PSHE (Lesson 6)** • Evaluating content for honesty and accuracy	**QFLs + Resources + Activity in class** **Lesson 1: Can I explain how to connect networks?** **Learning focus:** recap what a network is, connecting networks via a router, what routing is (sending information in the direction it is required in the shortest way), the internet is connected by lots of routers and the world wide web is one part of the internet **Resources:** **Activity/skill used:** **Lesson 2: Can I explain how the internet works?** **Learning focus:** build on knowledge of what a router is to explain how the internet works **Resources:** **Activity/skill used:** **Lesson 3: Do I know what a website is and who owns it?** **Learning focus:** look at the features of websites and discuss who the content belongs to **Resources:** ipads **Activity/skill used:** examine websites to find the owners, writers and copyright and work out what you can do with the information	**Knowledge – what should the children know by the end of this unit?** • a router enables us to connect a network to the internet • The internet is connected by lots of routers • The World Wide Web is only one part of the internet • The features of a website include a title, links to other websites or pages, videos, pictures, text • Anyone can view a website • Websites have owners and writers but these might not be the same person. • Copyright is the person who owns the permission to use specific content/material • That not everything published on the internet is true • That information on the internet can be shared and spread.

			Skills used (see documents if unsure):
Cross curricular links: esafety	Vocabulary (at least 5 key terms that relate to your unit): Router, network, server, internet, web browser (safari, edge, crome, firefox), content, copyright, share	**Lesson 4: Can I believe what I see on the internet?** **Learning focus:** being discerning about the information that is consumed on the internet (internet safety link), thinking about how information can spread through sharing **Resources:** **Activity/skill used:**	