ALMOND HILL JUNIOR SCHOOL MEDIUM TERM PLAN

TOPIC TITLE/SUBJECT: Computing - Computing Systems & Networks – The Internet **YEAR GROUP: 4** **TERM Autumn**

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Vocabulary

Internet
network
router
network security
network switch
server
wireless access point (WAP)
website
web page
web address
routing
web browser
World Wide Web
content
links
files
download
sharing
ownership
permission
information
accurate
adverts

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Skills

1. To describe how networks physically connect to other networks
2. To recognise how networked devices make up the internet
3. To outline how websites can be shared via the World Wide Web (WWW)
4. To describe how content can be added and accessed on the World Wide Web (WWW)
5. To recognise how the content of the WWW is created by people
6. To evaluate the consequences of unreliable content

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What we already know

Have experience:
-of digital devices, with an initial focus on inputs, processes, and outputs.
-with comparing digital and non-digital devices.
-with computer networks, including devices that make up a network's infrastructure, such as wireless access points and switches.
-learnt about the benefits of connecting devices in a network.
This unit progresses students' knowledge and understanding of networks in Year 3. In Year 5, they will continue to develop their knowledge and understanding of computing systems and online collaborative working.

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illustration
Concepts
The Internet of a network of networks

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Application/ Outcomes

1. Enact a message being passed around a network. Explain the role of routers in creating the internet —Explain the need for network security.
2. Suggest some of the different routes possible and relate routing to the World Wide Web. Explain that the World Wide Web is part of the internet and the difference between a website and a web page.
3. Explain what can and cannot be shared on the WWW. Deduce the origin of websites from the domain name and appreciate that websites are hosted all around the world. Identify devices which can be used to access the WWW.
4. Understand the different parts of a website. Explain the advantages and disadvantages of anyone being able to add content to the WWW. Explain that some websites enable content creation and can discuss the limitations of these websites.
5. Explain the rules for using and sharing content on the web. Explain rules for sharing things in a real-world context. Explain who owns content on the WWW.
6. Explain why some information on the WWW may not be accurate. Explain why inaccurate or false information is shared on the World Wide Web. Explain how information can spread quickly online and the implications of this.

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Online Safety
Managing online information I can:
-analyse information to make a judgement about probable accuracy, and I understand why it is important to make my own decisions regarding content and that my decisions are respected by others.
-explain what is meant by fake news, e.g. why some people will create stories or alter photographs and put them online to pretend something is true when it isn't.
-describe ways of identifying when online content has been commercially sponsored or boosted, (e.g. by commercial companies or by vloggers, content creators, or influencers).
-describe how fake news may affect someone's emotions and behaviour, and explain why this may be harmful.

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Other/Cross Curricular Links - PSHE (Lesson 6)

- Evaluating content for honesty and accuracy

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Adaptation for SEND
Adapted tasks Adapted resources Additional support

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