Whirley Primary School

Possible Links to Careers in Computing

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1
EYFS	**Computers in our classroom** Role play: Computer repair shop Visit from IT support to explain their job	**I want to be a photographer** Watch I want to be a photographer & discuss what photos the children would take/what jobs they could do if they were a photographer.	**Videos** Children could create a video similar to I want to be a photographer and discuss if they took videos in their jobs what they would film e.g. animals/pop stars/buildings being built etc	**Computers in your home** Discuss what devices are in the home - Laptops, desktops, Alexa, Smart TVs etc and discuss how they help us.	**Christopher Winter - Families** Watch Small Potatoes; Be what you want to be Refer to jobs that our families do related to computing - possible visits from parents to talk about how they use computers in their jobs.
Year 1	**Online Safety** Visit from IT technician to discuss their role in school and how they keep us safe.	**Computer Systems** Barefoot Computing: Technology Match	**Programming 1 Algorithms**	**Programming 2 Cause and effect**	**Data Handling Collect & represent data**
			Possible visit from a Tech She Can Champion: https://techshecan.org/contact-us		
Year 2	**Online Safety - Passwords**	**Computer Systems** Video: Using Computers at Work & discuss how computers could be used in libraries, hospitals, shops etc (see notes below video)	**Programming 1 - Algorithms** Little People Big Dreams Books - Ada Lovelace (World's first computer programmer) Teacher Guide	**Programming 2 - Coding animations** Watch: Making an animation using a computer ****	**Data Handling Spreadsheets** Twinkl: Identify technology in jobs

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Year 3	**Online Safety** **Fact v opinion** Possible visit from a Tech She Can Champion: https://techshecan.org/contact-us	**Computing Systems the journey of a website** Tech for Connectivity recording available	**Computing systems inputs & outputs** Video: KS2 Computing: Input and output Discuss what input & output devices could be used in jobs in the real world.	**Programming Scratch - loops** Book: Little People Big Dreams: Steve Jobs	**Data Handling databases** Using databases in the real world Discuss who might use databases in supermarkets, libraries, schools and hospitals Video: KS2 Computing: Working with data Possible talk from admin team in school or watch: How to become a receptionist: Francesca's story
Year 4	**Online Safety Fact and opinion** Video: Katie & Tex Explore Cashless payments Video: Generative AI (linked to bots)	**Computing systems - collaborating** Video: Loud Konstanza - Marketeer	**Programming 1** **Variables** Video: Loud Elijah - Programmer	**Programming 2** **Create a game** Watch: How to become a games designer: Rhianne's story Consider the roles in game design.	**Data handling input** Video: A day in the life of a weather forecaster
Year 5	**Online Safety** **Health & Wellbeing** On demand lessons: Tech for eSports and gaming (positive uses of tech) Tech for Health and Inclusion lesson pack (Tech She Can)	**Computing systems** Video: How to become an SEO (Search Engine Optimisation) assistant: Steve's story	**Programming 1** **Music loops** An introduction to music technology with Dev	**Programming 2** **Data Handling Mars Rover** My name is Nikesha and I'm an Aerospace Engineer at NASA **Possible Assembly:** Tech for Living in Space 7-11	**Creating Media Stop Motion Animation** Video: Loud Prezidente - Animator Video: KS2 Art and Design: Stop-Motion
Year 6	**Online Safety - positive online reputation** Possible visit from Cheshire Police: Gareth.Jones2@merseyside.police.uk	**Computing Systems - Presenting information** Video: How to become a media assistant: Hayley's story	**Programming 1 Intro to Python** Watch: How to become a coder: Pauline's story	**Data Handling Data corruption** Video: My name is Christopher and I'm a Security Analyst at Tanium Video: Katie and Tex Explore Cybersecurity	**Creating Media History of Computers** Little People Big Dreams Books - Alan Turing Teacher Guide