



TWO RIVERS
HIGH SCHOOL

Two Rivers High School

Explorers 9 & 10

Knowledge and Skills

	Autumn 2022-23		Spring 2022-23		Summer 2022-23	
	E safety Online Risks	Kodu	Video Editin g	DTP Binary	Spreadshe ets	Networks Programmi ng
Students will learn to identify a range of ways to report concerns about content and contact.						
Students will understand a range of ways to use technology safely, respectfully, responsibly and securely.						
Students will learn to protect their online identity and privacy.						
Students will learn to recognise inappropriate content, contact and conduct, and know how to report concerns.						
Students will understand what algorithms are, how they are implemented as programs on digital						



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devices, and that programs execute by following precise and unambiguous instructions.						
Students will learn to create and debug simple programs.						
Students will use logical reasoning to predict the behaviour of simple programs.						
Students will learn to design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems.						
Students will learn to solve problems by decomposing them into smaller parts.						
Students will learn to use sequence, selection, and repetition in programs						
Students will understand the hardware and software components that make up computer systems, and how they communicate with one another and with other systems.						
Students will understand how instructions are stored and executed within a computer system; understand how data of various types (including text, sounds and pictures) can be represented and manipulated digitally, in the form of binary digits.						



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Students will develop their capability, creativity and knowledge in computer science, digital media and information technology.						
Students will develop and apply their analytic, problem-solving, design, and computational thinking skills.						
Students will use technology purposefully to create, organise, store, manipulate and retrieve digital content.						
Students will recognise common uses of information technology beyond school.						

Skills	Autumn 2023-24		Spring 2023-24		Summer 2023-24	
	E Safety	Programming	Sound Editing	FlowolBinary	Hardware	Microbits



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