

## Name:

## Primary Computing - Skills Assessment



			E-Safety
Step 1	Understands that people interact with computers.	Understands what an algorithm is and is able to express simple algorithms symbolically (arrow cards etc).	Ubtains content from the world wide web using a web browser.
	Uses software with guidance from an adult to create digital content.	Demonstrates care and precision to avoid errors when following an algorithm.	Understands the importance of communicating safely and
	Recognises that digital content can be represented in many forms.	Program a physical device (e.g. Roamer, Bee-Bot etc).	respectfully online, and the need for keeping personal information private
	Talks about their work and makes changes to improve it.	Understands that programs execute by following precise instructions.	Knows what to do when
	Knows common uses of information technology beyond the classroom.	Executes, checks and changes programs.	concerned about content or being contacted.
	Can save their work using appropriate file and folder names.	Understands that computers have no intelligence and that computers can do nothing unless a program is executed.	
		Recognises that all software on digital devices is programmed.	
Step 2	Uses technology with increasing independence to create digital content.	Understands that algorithms are implemented on digital devices as programs.	Navigates the web and can carry out simple web searches to collect digital content.
	Shows an awareness for the quality of digital content produced.	Designs simple algorithms using loops and selection (e.g. 'if' statements).	Demonstrates use of computers
	Uses a variety of software to manipulate and present digital content.	Uses logical reasoning to predict outcomes.	sately and responsibly, knowing a range of ways to report unacceptable content and
	Shares their experiences of technology in school and beyond the classroom.	Detects and corrects errors (debugging) in algorithms.	contact when online.
	Talks about their work and makes improvements to solutions based on feedback received.	Uses mathematical operators, if statements and loops within programs.	
	Recognises different types of data (e.g. text, number).	Uses logical reasoning to predict the behaviour of programs.	
	Can use a range of input and output devices (keyboard mouse	Detects and corrects errors in programs (debugging).	
	touchscreen, microphone, screen, printout, video, audio etc).	Understands how programs instruct the computer what to do.	
Step 3	Collects, organises and presents data and information in digital	Designs algorithms that use repetition and two-way selection (e.g.	Understands the difference
	content.	'if', 'then' and 'else').	between the internet and the world wide web (a service that
	Creates digital content to achieve a given goal through combining software packages to communicate with a wider audience.	Uses diagrams to express solutions.	uses the internet).
	Makes appropriate improvements to solutions based on feedback received, and can comment on the success of the	the inputs.	use a range of internet services.
	solution.	Create programs that implement algorithms to achieve given goals.	Recognises what is acceptable and unacceptable behaviour
	Understands the difference between data and information.	Declares and assigns variables.	when using technologies and online services.
	Knows why sorting data in a table can improve searching for information.	Uses a 'loop' (e.g. 'until') and a sequence of selection statements in programs, including an 'if', 'then' and 'else' statement.	
	Can use filters or single criteria searches for information.		
	Knows that computers collect data from various input devices.		
	Understands the difference between hardware and software and their roles within a computer system.		
Step 4	Makes judgements about digital content when evaluating it for a given audience.	Shows and awareness of tasks best completed by humans or computers.	Understands how to effectively use search engines, and knows
	Recognises the audience when designing and creating digital content.	Designs solutions by decomposing a problem and creates a sub- solution for each of these parts.	Selects, combines and uses
	Understands the potential of information technology for collaboration when computers are networked.	Recognise that different solutions exist for the same problem.	Demonstrates responsible use
	Uses criteria to evaluate the quality of solutions, can identify	Understands the difference between and appropriately uses 'if', 'then' and 'else' statements.	of technologies and online services, and knows a range of
	future solutions.	Uses a variable and relational operators (< = >) within a loop to govern termination.	ways to report concerns.
	Understands why and when computers are used. Understands the main functions of the operating system.	Designs, writes and debugs modular programs (program divided	
	Knows the difference between physical, wireless and mobile networks.	Combine a group of instructions into a single named unit	
	Performs more complex searches for information (e.g. 'AND', 'OR', 'NOT').	קאיטרכטנומו משזגומכנוטוון.	
	Analyses and evaluates data and information, and recognises that poor quality data leads to unreliable results, and inaccurate conclusions.		