COMPUTING

	EMERGING	DEVELOPING	SECURE	REFINING
Knowledge	I can describe the uses of technology around me. I can create a logical sequence of steps for a task. I can demonstrate a basic understanding of the internet and identify online risks.	I can design solutions using repetition and two-way selection, such as using 'if' and 'else' statements. I can explain the difference between the internet and internet services, like the World Wide Web. I can describe how computers collect data from input devices and sensors.	I can determine when tasks are best completed by humans or computers. I can effectively use search engines and understand how search results are selected. I can design algorithms without relying on a specific programming language.	I can design solutions using recursion for complex problems. I can identify problems that cannot be solved with computational methods. I can explain how networking hardware, such as WANs and LANs, works and their purpose.
Understanding	I can use IT to solve design problems effectively. I can explain the basics of program sequences. I can use technology safely, respectfully, responsibly, and securely.	I can improve solutions based on feedback and evaluate their success. I can assess digital content for its appropriateness for different audiences. I can detect and correct errors in programs using a modular approach.	I can evaluate solutions using specific criteria and suggest improvements. I can refine digital content, considering the properties of different media types. I can explain the ethical issues related to IT, such as data protection and copyright.	I can focus on creative projects that involve data collection, analysis, and evaluation. I can justify the use of technology based on social, economic, and ethical considerations. I can explain the impact of using technology discussing the moral and legal issues.
Skills	I can code a set of instructions for software to perform a specific task. I can create interactive digital artifacts, such as websites, for particular purposes.	I can design, write, and debug programs using procedures. I can use logical reasoning to predict the output of a program based on given inputs.	I can design solutions by breaking down a problem and using sub-solutions for each part. I can apply variables and relational operators within loops in programs.	I can design programs broken down into different elements so that each part of code can be checked for accuracy independently . I can use both 'While' and 'For' loops effectively in programming.