



Year 10 Digital Technology – Responsive Programme for Learning 2024

Kaua e rangiruatia te hāpai o te hoe; e kore tō tātou waka e ū ki uta.

Don't paddle out of unison; our canoe will never reach the shore.



Rangi Values	How will ākonga demonstrate these values in Yr 10 Digitech?	Rangi Graduate Dispositions	How will ākonga demonstrate these values in Yr 10 Digitech?	Culturally Empowering Pedagogy	Priority Learners	Literacy Foci/Numeracy Foci
Respect/Whakaute	By giving other students a fair opportunity to learn at their own speed and in a space that suits them. By listening, being compassionate and understanding other people's viewpoints and experiences.	Be You	By building their confidence through understanding and practice, and then stamping their own take on their learning.	<p>Intercultural Understanding: Learners will develop an understanding of the cultures of their peers and how those cultures can inform and enrich their use of digital technology. They will learn to appreciate the diversity of cultural perspectives and practices and how they can contribute to the development of innovative solutions.</p> <p>Multicultural Collaboration: Learners will work collaboratively with peers from different cultures to develop digital technology solutions that reflect their shared values and aspirations. They will learn to communicate effectively and respectfully across cultures and to adapt their approaches to meet the needs of diverse audiences.</p> <p>Cross-Cultural Creativity: Learners will develop their creativity by drawing on diverse cultural influences to develop innovative solutions that reflect the cultural diversity of their peers. They will learn to integrate cultural themes, motifs, and designs into their digital technology projects.</p>	<p>Throughout the Yr 10 learning programme, the differentiated needs of learners will be met by:</p> <p>Providing multiple ways of accessing information, using a variety of instructional strategies.</p> <p>Scaffolding initial tasks to establish pathways to be followed.</p> <p>Providing ongoing feedback, encouragement and support to help learners stay on track and achieve their goals.</p>	<p>Our literacy learning goals throughout the Yr 10 learning programme are: To understand the vocabulary being used, both communicative and technical as appropriate for the area of learning.</p> <p>We will achieve this progress by: Verbal checks of understanding with the teacher, and with classmates.</p>
Aroha	By encouraging other students, being kind, developing empathy By helping other students when and if the opportunity arises.	Belong	By communicating with other students and sharing their learning.			
Enthusiasm & Endeavour Rikarika & Ngana	By applying themselves fully throughout each task. By seeking advice, effective communication, managing themselves and their devices, and being a being resilient and flexible learner. By being positive, curious about the world and its people, being open- minded to new ideas and activities.	Be The Change	By having the courage (built through confidence), to try new skills and ways of learning.			
Generosity of Spirit Manaakitanga	By sharing their learned knowledge with other students, and helping them when asked. By responding positively to challenges and new situations.	Be Your Best	By pushing themselves beyond their expectations and those of the teacher.			
Integrity/Tika	By working to the best of their ability, at a speed suitable for their effective learning, and being honest about any challenges they might be having. By always presenting your own work, showing resilience, and persevering when things get tough, standing strong to your values and beliefs.					

Understand/ Kia Mārama	Know/ kia mōhio	Do/kia mahi
Students will understand WHY they are undertaking the learning in any unit of work.	Students will know WHAT skills/thinking will be required in any unit of work.	Students will apply themselves to putting into practice the skills and thinking being introduced.

Learning Focus/Whainga	Learning Activities / Mahi
Systems and device operation	<ul style="list-style-type: none"> • Setup OneDrive and folders for subjects • Good practice of file naming conventions and saving procedure • Download software and create accounts for digital learning tools needed for later learning • Setup the digital portfolio in the Adobe Express
Vector graphics creation	<ul style="list-style-type: none"> • Understanding of vector graphics principles: including shapes, paths, anchor points, and Bezier curves. Students will develop proficiency in using these principles to create scalable and editable graphics that can be resized without losing quality. • Proficiency in Adobe Illustrator: students will develop proficiency in using the software interface, menu commands, and keyboard shortcuts to work efficiently and effectively. They will also learn about vector graphics techniques such as shapes, strokes, and fills.
Programming with Python Turtle	<ul style="list-style-type: none"> • Understanding of programming concepts: using programming concepts such as sequence, variables, loops and conditions. Students will develop proficiency in using these concepts to create algorithms that draw shapes and patterns. • Proficiency in Python Turtle library: using the library's functions to control the turtle's movement, change its direction, and draw shapes and patterns on the screen. • Problem-solving skills: using problem-solving skills to create complex programs, this process includes analyzing a problem, breaking it down into manageable steps and using trial and error to find solutions. These skills can be applied to a wide range of programming tasks beyond Python Turtle.
Creative projects	<ul style="list-style-type: none"> • Applying their learning to different contexts, such as applying their vector designs to real-life items, including badges and stickers. • Providing students with the opportunity to explore the software used and the skills learned in a self-directed manner. They can choose to learn and experiment with different techniques and tools to create their digital outcome. This allows students to develop a deeper understanding of the software and skills they have learned and to discover new ways of using them.
Digital portfolio	<ul style="list-style-type: none"> • Students will develop proficiency in using Adobe Express to create visually appealing and professional-looking portfolios. • Students will develop proficiency in selecting and arranging portfolios to present their skills, achievements, and experiences in a term's learning.