

## Tahakopa School Technology Statement

“Just because something doesn’t do what you planned it to do doesn’t mean it’s useless.” - Thomas Edison

The New Zealand Curriculum	What is important to us		
	Technological Practice	Technological Knowledge	Nature of Technology
<p><b>What is technology about?</b> Technology is intervention by design: the use of practical and intellectual resources to develop products and systems (technological outcomes) that expand human possibilities by addressing needs and realising opportunities. Adaption and innovation are at the heart of technological practice. Quality outcomes result from thinking and practices that are informed, critical, and creative.</p> <p><b>Why study technology?</b> The aim is for students to develop a broad technological literacy that will equip them to participate in society as informed citizens and give them access to technology-related careers. They learn practical skills as they develop models, products and systems. They also learn about technology as a field of human activity, experiencing and/or exploring historical and contemporary examples of technology from a variety of contexts.</p> <p><b>How is the learning area structured?</b> The learning area comprises three strands: Technological Practice, Technological Knowledge, and Nature of Technology. Teaching and learning programmes will integrate all three, though a particular unit of work may focus on just one or two.</p> <p>In the <b>Technological Practice</b> strand, students examine the practice of others and undertake their own. They develop a range of outcomes, including concepts, plans, briefs, technological models, and fully realised products or systems.</p> <p>Through the <b>Technological Knowledge</b> strand, students develop knowledge particular to technological enterprises and environments and understandings of how and why things work. Students learn how functional modelling is used to evaluate design ideas and how prototyping is used to evaluate the fitness for purpose of systems and products as they are developed.</p> <p>Through the <b>Nature of Technology</b> strand, students develop an understanding of technology as a discipline and how it differs from other disciplines. They learn to critique the impact of technology on societies and the environment and to explore how developments and outcomes are valued by different people in different times.</p>	<p>Students will understand that:</p> <ul style="list-style-type: none"> <li>• Technological developments that respond to and create change.</li> <li>• Technological solutions solve problems.</li> <li>• Technological solutions can have positive and negative effects.</li> <li>• Technology impacts on sustainability.</li> <li>• Technology can enhance sustainability.</li> <li>• Developments in technology respond to sustainability needs.</li> <li>• Technology has a major effect on communication.</li> <li>• Types of communication are guided by different technologies.</li> <li>• New technologies impact on communication.</li> </ul>		



## **Technology Learning: What you will see in the classroom.**

- Students exploring a variety of technologies in their home, school and community.
- Questions are encouraged
- Technological vocabulary is being used to describe ideas.
- Students are working collaboratively.
- Students are experiencing a range of technology
- Lessons are practical and hands-on.
- There is a focus on solving or designing a solution to a problem.
- Students are involved in testing, trialling, modifying, adapting and evaluating.