



Te Puna Auaha  
The Spring of Creation

2025

**Breens Intermediate School Technology**

# Our Name

The name Te Puna Auaha was gifted by Te Rūnanga O Ngāi Tūāhuriri. Ngāi Tūāhuriri is a hapū of Ngāi Tahu.

Te Puna Auaha means The Spring of Creation. This name leads well to our technology block where our students are being creative and innovative.

The **kōwhaiwhai pattern** on the doors throughout our block represents our cultural narrative and the reference to water and springs – the free flowing nature of waters. Although they are free flowing they are connected together in a way that recognises their unique flow.



# All about us...

## Technology, Science and Visual Art

Students are exposed to a range of technologies and contexts in specialist rooms with specialist teachers. They are encouraged to be innovative, creative, reflective, critical, and to always strive to achieve the best outcome possible.

In Year 7 we teach the foundational skills and knowledge needed in each area. In Year 8 we focus on creativity and independent learning skills within each subject, preparing our students for high school.

We quickly get to know the students and plan our lessons and themes according to their needs and strengths.

*“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.”*





# Design Technology

Design Technology encourages students to become creative problem-solvers through hands-on, practical learning. Students are introduced to digital design software and guided through the design process, from initial research to the development of final outcomes, tailored to a specific stakeholder group. Emphasis is placed on student agency, encouraging them to think independently and develop their own unique solutions to design briefs. Final outcomes are brought to life using laser cutting technology, allowing students to transform their digital concepts into tangible products with precision and creativity.

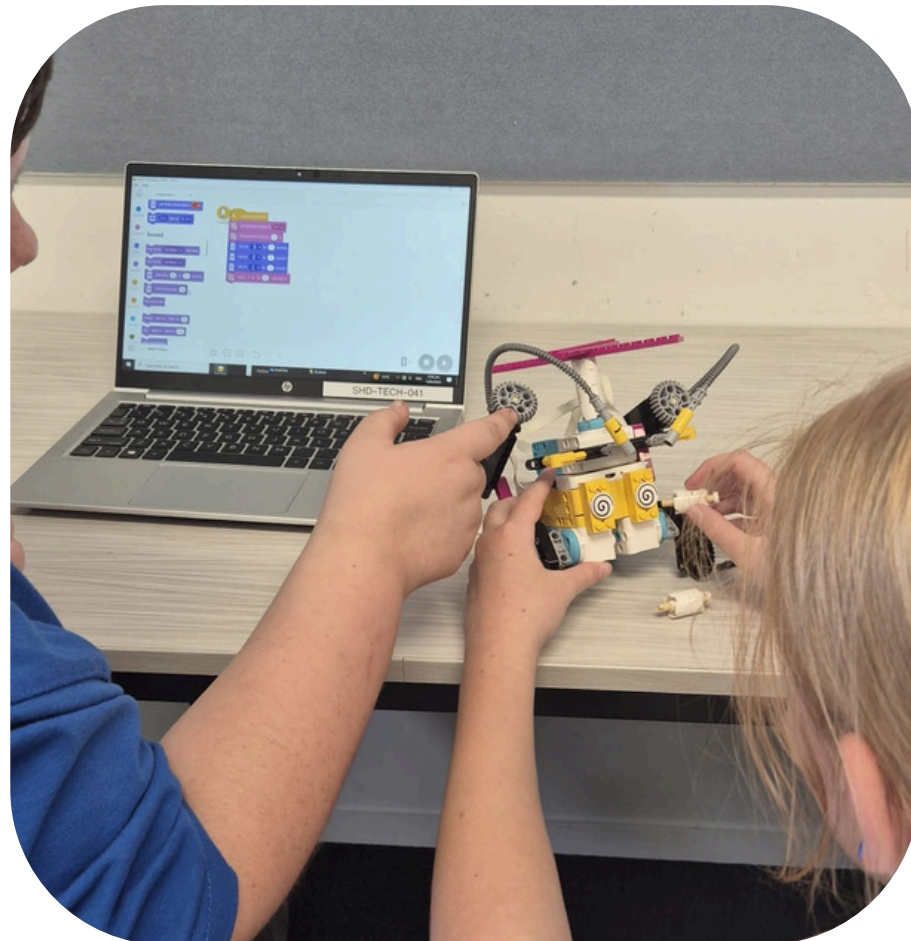


## Extra Curricular Opportunities:

- Technology Assistants
- Assisting with props for school events
- Design Club
- Young Designers Extension & Enrichment

# Digital Technologies

Digital technologies are aligned with the New Zealand Curriculum's emphasis on technological literacy. Students engage in designing outcomes using various software, fostering creativity and problem-solving skills. They are introduced to coding concepts through hands-on experiences with tools like drones, LEGO Spike Prime, Sphero Bolt, and Micro:bits, demonstrating how coding can be applied in diverse contexts. This practical approach ensures students develop a strong foundation in digital technologies, preparing them for an increasingly digital world.



## Extra Curricular Opportunities:

- Code Club
- Esports
- VEX Robotics
- LEGO League Robotics
- Drone Club



# Food Technology

Food Technology is a 2 year course. During Year 7 the emphasis is on mastering a range of practical skills and confident use of kitchen equipment. Students are taught personal and food hygiene routines, safe use of knives, basic nutrition, and how to assess a portion size, heat control, efficient use of time and materials and accurate measuring and problem-solving. The Year 8 course includes all of the above, including more choice as students have opportunities to be creative. They work with stakeholder groups within the class, conduct simple food science experiments and tests, and learn how to modify dishes for seasonal variations or special diets. There is a strong emphasis on independence and future study or careers. Students take all food outcomes home.

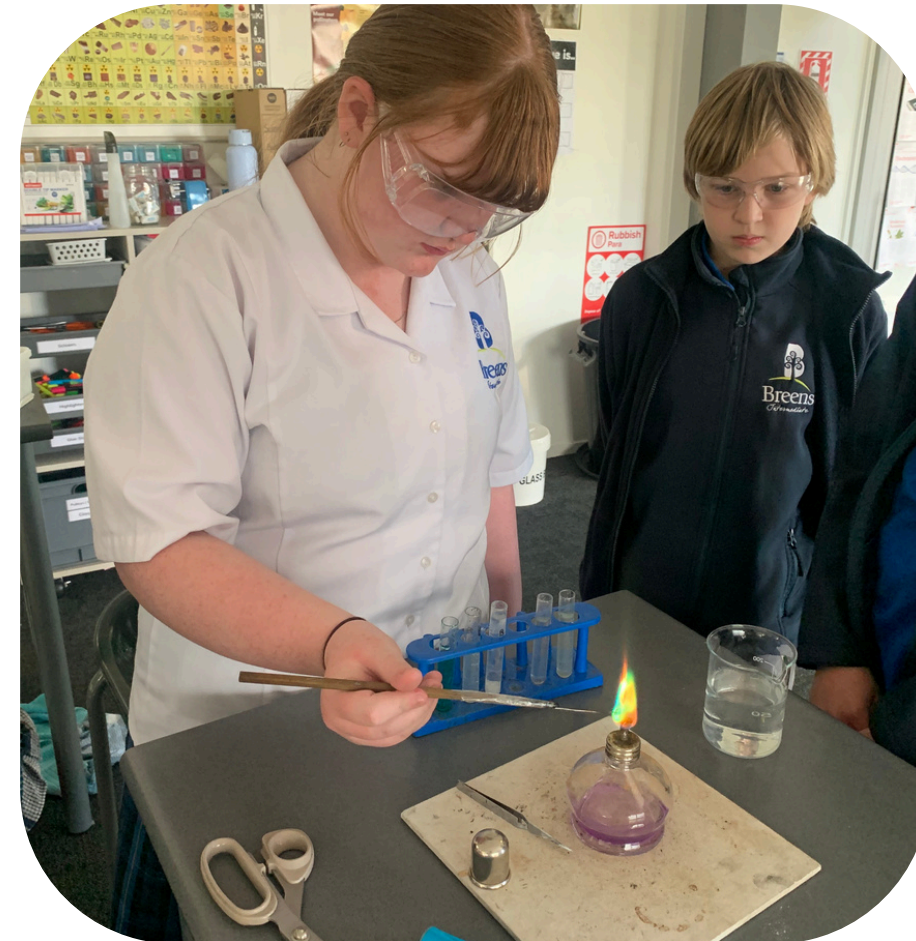
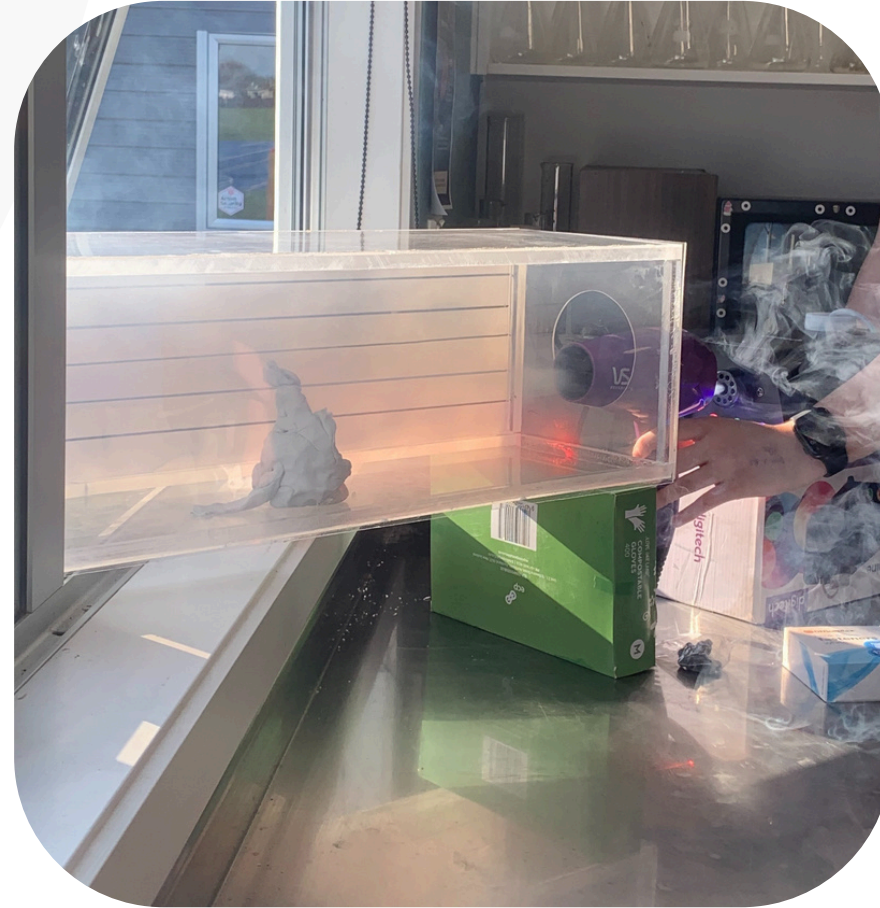


## Extra Curricular Opportunities:

- Foods Technician
- Assisting at school functions
- Extension and Enrichment clubs
- Creative Cupcakes competition

# Science

Science focuses on developing students' knowledge and understanding around Chemistry, Physics, Biology and more. Through engaging, hands-on learning, students develop essential skills like using scientific equipment, understanding key concepts, vocabulary, and conducting investigations to gather evidence. Science not only builds knowledge but also encourages critical thinking, problem-solving, and thoughtful reflection on ethical and social issues.



## Extra Curricular Opportunities:

- Science Badges
- Science Fair
- Lab Assistant
- Science Club



## Visual Art

Visual Arts focuses on developing students' skills in drawing, painting, and clay sculpting in Year 7, and in sculpture or printmaking in Year 8. Individual styles are nurtured, and there is a strong emphasis on developing ideas to create artistic impressions of themselves, their community, and their culture, in a fun and relaxing environment. Students are exposed to a wide array of materials and are encouraged to experiment with different techniques. Art is also emphasized as a tool for well-being to support student's hauora.

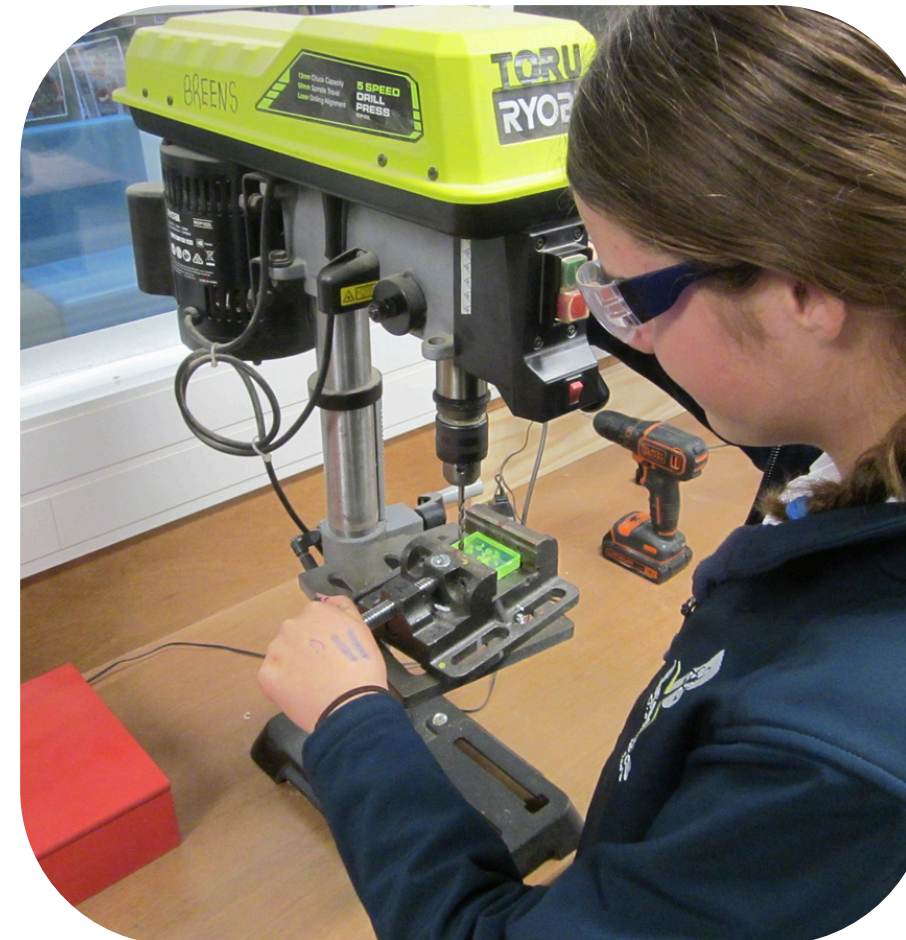
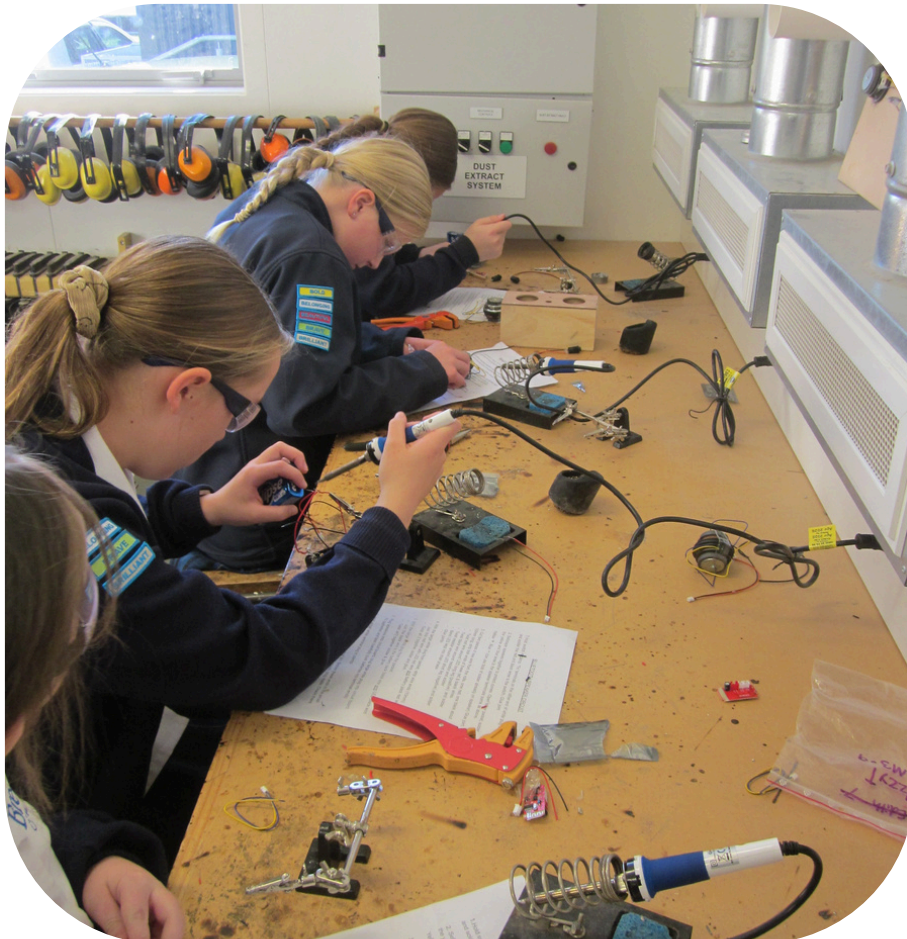


## Extra Curricular Opportunities:

- Art Extension
- School Murals
- Wearable Arts
- Art Competitions
- Art Club

# Workshop Technology

Workshop Technology gives students opportunities to learn about a variety of materials and how to use them to build products that we need, or design and build new items using creative ideas. It is a very 'hands on' subject where a wide variety of tools and machines are utilised. Students are given instruction on safe and effective use of the equipment, learning a wide variety of techniques. Units of work are mostly based around individual 'take home' projects that are exciting to make and can challenge those who are novices through to those who already have acquired some skills. The workshop has a relaxed atmosphere where students are encouraged to do their best, at the same time help each other find success.



## Extra Curricular Opportunities:

- Woodwork / carpentry extension

# He pātai / Any questions?

If you'd like to know more about our amazing technology centre please make contact and arrange a visit.

To contact us in person please use the details below.



## Phone

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