

# ACS NEWS

*Term 3 2022*



**MATARIKI  
CELEBRATION**

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**FOCUS ON  
TECHNOLOGY**

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**CROSS COUNTRY**

**ASSEMBLIES**

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**SENIOR'S BALL**

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**PRINCIPAL'S PEN**

a word from Tim Kuipers



# Principal's Pen

## Introduction to ACS News

It is with pleasure I introduce you to the first ever ACS NEWS. We aim to produce one per term. We hope you love it!

The purpose of ACS NEWS is for Celebration and Sharing

**Celebration:** Enjoy reliving some of the events of the year to date

**Sharing:** Gain more understanding of the vision of the school or a particular aspect of the school. In this edition we look at the Technology Curriculum

## Technology

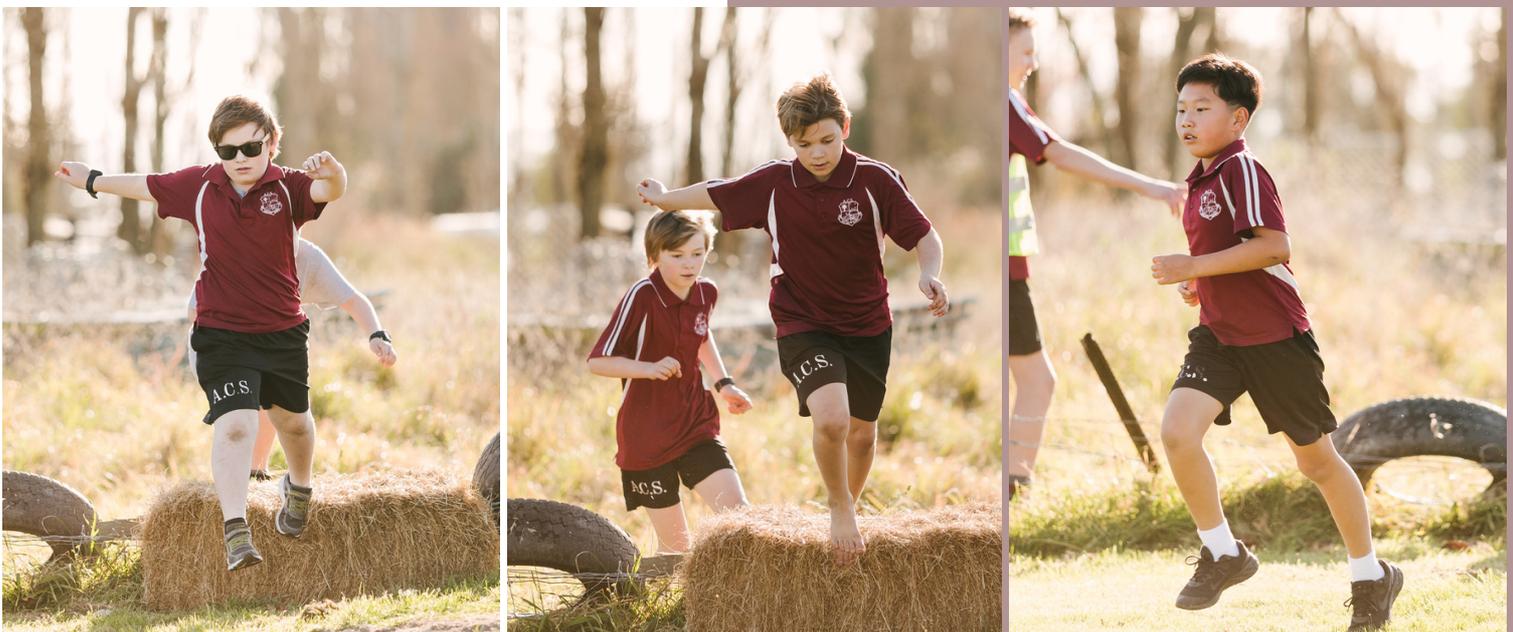
Students have been designing, problem solving, constructing, programming, baking, and cooking. All of these activities fall under Technology.

Here's a definition for that tries to capture it all; Technology is shaping natural resources, with the use of tools, for the benefit of people and the glory of God.

Students learn what resources we have and how they can be creatively shaped and used to love and serve others, improving the world we live in.

It is important to know that technology can be used for good and evil purposes, which will often be covered in the Social Science curriculum.

Enjoy the images and captions of the students at work.



# God, Nature & Kaitiaki

By Tim Kuipers

Photographs by Connor Mcomish (Y12)

Recently I was challenged with the idea that God desired ALL creation to thrive, not just humans.

*“Let the land produce vegetation... Let the water teem with living creatures, and let birds fly above the earth across the vault of the sky... Let the land produce living creatures” (Genesis 1).*

God remembers and cares for man and beast:

*“God remembered Noah and all the wild animals and the livestock that were with him in the ark, and he sent a wind over the earth, and the waters receded.” (Genesis 8:1).*

*“Should I not have concern for the great city of Nineveh, in which there are more than a hundred and twenty thousand people who cannot tell their right hand from their left—and also many animals?” (Jonah 4:11).*

Jesus death and resurrection was to redeem people and nature:

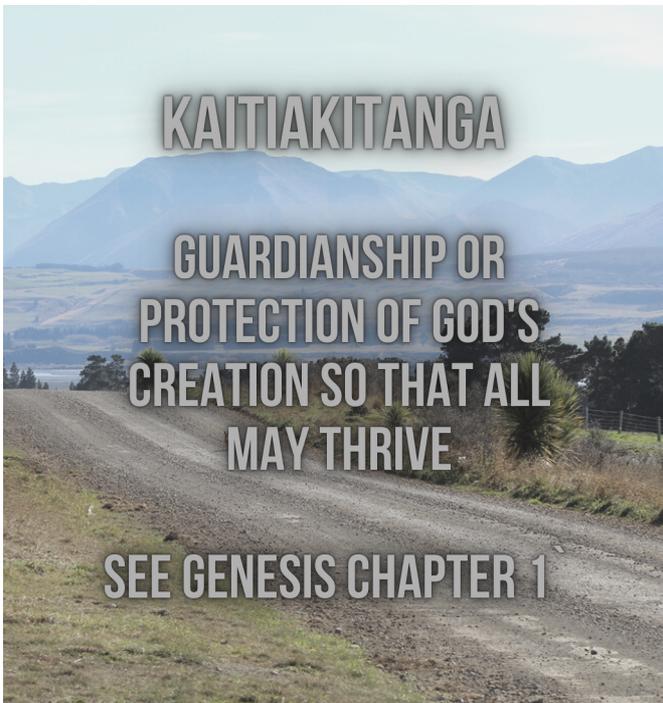
*“For God was pleased to have all his fullness dwell in him, and through him to reconcile to himself all things, whether things on earth or things in heaven, by making peace through his blood, shed on the cross.” (Colossians 1:19-20).*

God placed us in charge, with a duty of care to ensure all nature thrives.

*God blessed them and said to them, “Be fruitful and increase in number; fill the earth and subdue it. Rule over the fish in the sea and the birds in the sky and over every living creature that moves on the ground.” (Genesis 1:28)*

Technology teaching cannot be separated from this responsibility. All our endeavours should allow mankind, flora, fauna, sea creatures, waterways and all nature to thrive.

So how are we doing? Are we faithful kaitiaki (guardians) of the world God has entrusted? How can we inspire our young to be people who love, restore and use nature so all thrive?



# Technology through play

Students have lots of opportunity to use and play with everyday materials in new ways, or by re-using discarded materials to design, make and model constructions. Here students built a house from used boxes. They first planned the features of their house, the materials needed and then started building. They considered the aesthetics and therefore painted the house afterwards.

Bee Bot is a fun and effective tool for teaching the basics of programming, it introduces students to the basics of coding and will allow them to experiment with different ways of solving problems. Here students were learning to program Bee Bot to retell the story of the Gruffalo in sequence, using directions.



# Beebot fun

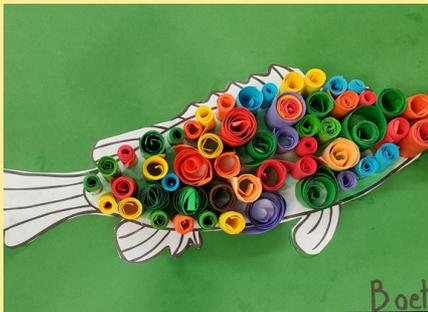
Room 2



Room 2 has been learning about our city Ashburton. We used a programmed Beebot and made him move about town from one place to another. We learnt how accurate our instructions had to be in order for Beebot to move correctly.

Room 3

# Construction through Art



We have been using the quiz programme 'Kahoot' to reinforce our learning of short vowel sounds. The students really enjoy this time with lots of cheers and yahooing when the whole class gets the question right.

We have been doing construction through art. This was inspired by the Guppie fish in our room. We were practising our fine motor skills and making our fingers, hands and forearms work really hard.



# Room 4.5

Our Focus: God is Creative and so are we

We were learning to use the creative talents that God has given us. We have been brainstorming, planning and designing various things including a horse stable, a house and a game. We used recycled materials (cardboard, paper, hay, leaves, wool...) and worked in teams.

Comments from students: We have learned: (i) to bless others with our gifts and talents, (ii) the importance of our role in the team, (iii) that things aren't always as simple as they seem, so never give up (iv) to support and encourage one another (v) that mistakes can be a good thing; they teach us to try new things and also make us laugh, sometimes.



# Y5 & 6

In Term 2 our Year 5-6 students competed in the annual EPro8 competition. This involved a series of engineering/technical problems that they needed to solve within a set time limit. The classes both really enjoyed this event and it was very competitive to get the opportunity to represent our school at the local competition. The winning team within our school also went on to win the local event against other schools in the Ashburton District. In Term 2 we had a special visit from Hillview Christian school students who ran a fun program for our primary students. This involved various team building activities, such as technical challenges, physical challenges, and art based activities. It was a very positive experience for both our students as well as Hillview's and a lot of fun and learning was had.



## Year 7 and 8 Food Technology

"When you get older you need to learn to cook for yourself and others. We are learning about unique and different food. It is opening me up to new ways with food."

"We are learning new things about each other -by making, eating and chatting about our meals. Studying new techniques – with chopping, cutting and cooking."

"We are learning about how to be hospitable. Eating around the table. We are learning to adjust our cooking according our tastes and discussing about new flavours .We're learning how to stay on task with a our cooking partner. Comments made by students)"



## Year 7 and 8 Hard Materials

Year 7 Students started off learning some basic hand tool skills of sawing, filing, planing and spokeshaving by making a metal adornment and a wooden utensil. They have also gained knowledge and skills with plastics and power tools through making and molding some acrylic into a candle holders. They have also learnt the design process through making these items. Year 8's have undertaken a similar process through making a weathervane and an acrylic holder.



## Year 7 and 8 STEAM

Students have been working on challenges that promote problem solving using maths, science, and engineering. We have also been using block-based code and coding language to create and design digital outcomes. With Year 8's we learnt how to use Python coding language to design a code that could track the international space station. In Year 7 we have been using block-based coding in Scratch, an online coding site. Students are continuing to learn and develop their abilities to use code and develop their computational thinking.



## Digital Technology

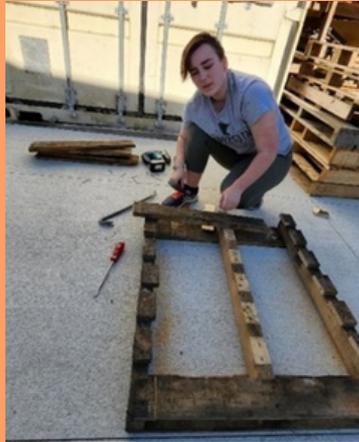
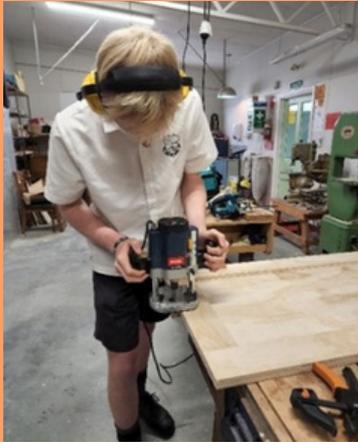
During term 1 students learnt about binary and how computers communicate. Students also programmed Microbits and robots using block coding and learnt a little about coding in the Python language. In Term 2 students learnt about electronic components and their purpose in a circuit while soldering together their own circuit. Year 9 students made circuits using a transistor while year 10 students worked with small programmable chips. They will also use software to design a case which will be laser cut from MDF and acrylic.



## Food Technology

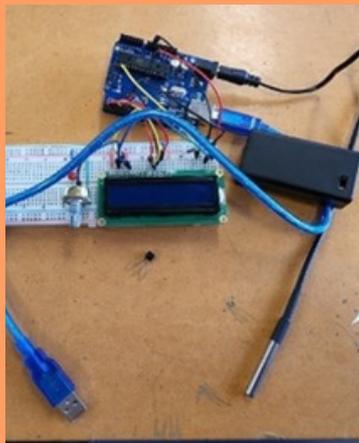


## Hard Materials Technology



Students are designing products for a chosen client or stakeholder. Students work through three internal standards and an external. They write a brief, draw conceptual designs, and implement different marking out, shaping, joining, and finishing techniques on the product they are developing. Projects range from bar leaners, coffee tables, outdoor seating to an elaborate bird house with removable sides.

## Digital Technology



Through this course students gain some knowledge about programming, electronics and designing a case using a 3d printer and/or a laser cutter working towards achievement standards in these areas. The electronic circuit they are designing needs to be programmed to carry out tasks utilizing switches or sensors (motion, sound, heat, weight, or infrared) and output it to a computer, LCD screen, motor, or light. Some student projects they are designing include an infrared controlled car with automatic light, a motion-controlled nightlight, heat sensor outputting to an LCD, a noise traffic light for a classroom, an automatic cat feeder with weight sensor and a device to speed up computer use through programmable buttons.

# Assemblies

Acs have a primary assembly each Monday led by staff and a secondary assembly every two to three weeks led by students. Tim Kuipers shares a devotion. Students receive acknowledgments in areas where they have demonstrated commitment to the school vision, under the headings of Love, Knowledge, Service, or Making an Impact. We also use this opportunity to welcome new students.



# Matariki Celebration



We thank God for the wonderful fellowship, fun, music, food and clear skies to celebrate His goodness to our community



# Senior's Ball

Our Senior Students were invited to join the Ashburton College for their Annual Ball



Angelina Trail  
& Angus Tsui



Tamieke Kuipers  
& Ashton Syme



Fletcher Rhodes  
& Ana Gomes



Jazz SurrIDGE  
& Josiah Harris



Gianna Butler (past student)  
& Josh Hawkes



Billie SurrIDGE  
& Izzyah Harris (past student)



Kyle Cabading  
(past student)



Kaiwhaiki Peetiumango  
(past student)

# Events

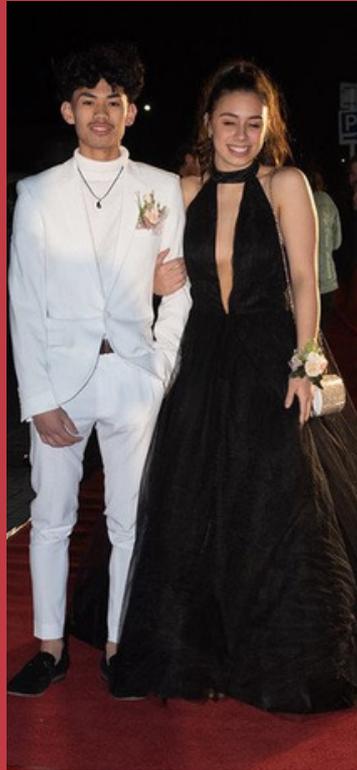
It was also great to see some of our past students again



Redict Teves  
(past student)



Emma Breach  
(past student)



DK Taojo  
(past student)



Guy Stanway  
(past student)



Sophie Smith  
(past student)



Jonty Anderson  
(past student)



Hershel Ranay &  
Vince Cabading



Jim Reyes  
(past student)

# Cross Country

On May 31, students in Years 0-6 took part in our annual Cross Country around the school grounds. The students demonstrated perseverance and emerged with satisfied smiles, having received the fruit of their training. Thank you to all the supporters on the day, and especially to Miss Smith for organising this fantastic event.

