

UPCOMING EVENTS

Kaupapa ka whai ake

Athletics Day -
Thursday 7 April, 2022

Photolife School Photos
 Catch Up Day -
Friday 8 April, 2022

Term 1 Ends -
Thursday 14 April, 2022

Term 2 Starts -
Monday 2 May, 2022

Parent Teacher Interviews -
Tuesday 10 May and
Wednesday 11 May, 2022
from 2pm-7pm

Teacher Only Day -
Monday 16 May

Queens Birthday (Public
 Holiday) - *Monday 6 June*

Matariki (Public Holiday) -
Friday 24 June, 2022

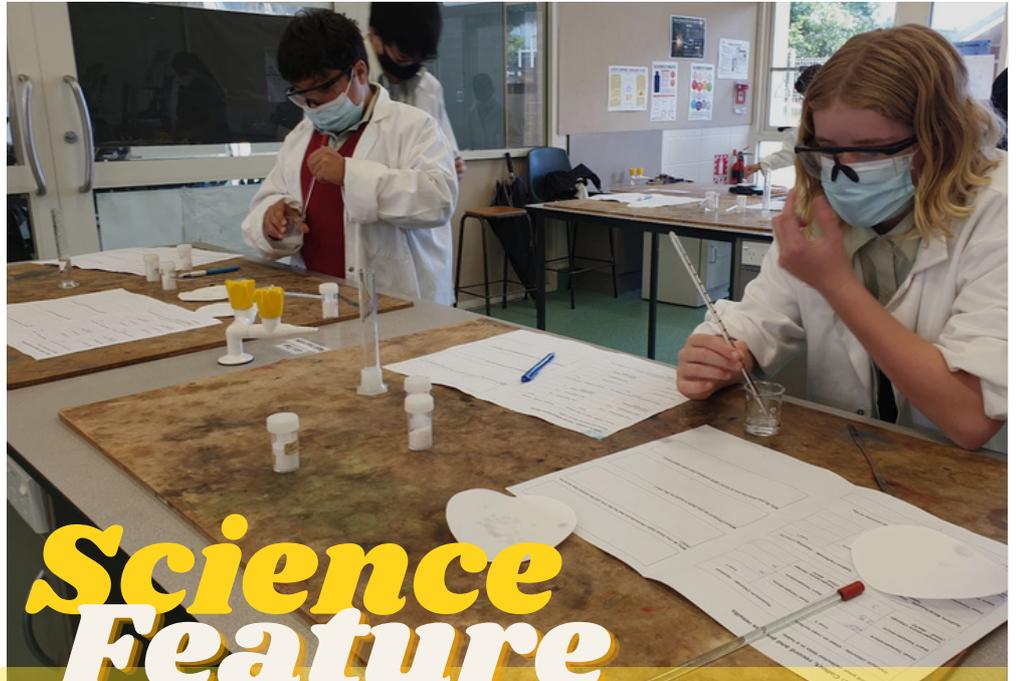
Term 2 Ends -
Friday 8 July, 2022

**SEE THE BACK PAGE FOR
 THE SCHEDULED TERM 2
 CALENDAR FOR 2022**



**Tāwhirimātea
 Yellow House**

**In Māori mythology,
 Tāwhirimātea is the god of
 weather, including
 thunder and lightning,
 wind, clouds and storms.**



Science Feature

Koorero a te Tumuaki **The Principal speaks:**

Kia ora koutou katoa. Nau mai haere mai ki tenei panui marama!

We are into the final weeks of Term 1. It has been a long term, and we are going to finally make it. Over the past few weeks the Tuakau College Board have made a few appointments which I would like to share with the school community. The Tuakau College Board is pleased to announce the appointment of Mrs Anna Dinneen and Mr Jared Slee to the positions of Assistant Principal, beginning Term 2. Mrs Dinneen is coming to us from the Health School and Thames High School. Mr Slee is our present Head of Physical Education and Health. With Mr Slee's promotion the Board has appointed Mrs Jo Buttery to the position of Head of Physical Education and Health. Congratulations to Mrs Dinneen, Mr Slee and Mrs Buttery.

We have also appointed Mr Kalra to a Mathematics position and Mrs Herbert is returning as our Fabrics teacher. We will be saying haere ra/farewell to Mrs Stilwell at the end of this term. Mrs Stilwell has been with the College as Assistant Principal for 7.5 years looking after Curriculum and Assessment. She is leaving us to look after her whānau. Kei te pouri mātou/We are sad, Mrs Stilwell. Arohanui! Mrs Aspen is also leaving at the end of term. Thank you to her for all her work in the Maths area. We have also had the opportunity recently to poroporoaki/farewell Mrs Devaney, Mrs Tupaea and Mrs Quon.

We have also been fortunate to employ Ms A Millar, who will be another Guidance Counsellor, from Term 2 onwards. She will start as part-time on the 1 June, 2022 and then full time on 1 July, 2022. In the meantime, we continue to have the lead Guidance Counsellor, Mr Heta, working to support the students in all guidance areas. He has a wealth of knowledge and good practice to work with our tamariki. He is well supported by the pastoral care system, Deans, Heads of Learning, etc. Please continue to use this service as much as you can, especially as we move through the everchanging times. CONTINUED INSIDE. . .

'THE PRINCIPAL SPEAKS' CONTINUED. . .

This term has been a very exhausting term for us at school but also for you as a school community. COVID-fatigue and burnout is becoming very evident in the staff and students at school. In this e-Bulletin we have given some helpful hints around how to tackle this.

Changes to our processes and procedures at school have occurred weekly in response to the Omicron outbreak in our community. I want to thank you, our school community, for your understanding, patience, and support as we navigated and responded to these changes. We know it has not been easy on the students and you as families. Omicron has gone through our community, and I want to wish everyone the best as they cope with this virus in their homes. It is sobering for us to think of those families that have lost loved ones due to this Omicron outbreak and our thoughts are with them. As a community we cannot take this infectious disease too lightly.

The COVID-19 Protection Framework Red has been our guidance through this outbreak. As we have moved through the Omicron outbreak, we have had 104 cases of students from school infected with the virus. This is 12.6% of the total school. Most parents have been notifying the school, but we know that some parents have not, so this figure could be considerably higher than we think. It reflects what is happening in other communities. Complacency and people just getting on with their lives is prevalent. We have had 15 staff away with COVID and 13 staff who were Household Contacts. Overall, I believe we have been pretty fortunate with the infection rates at school. Schools are still safe places, as most of the COVID cases are coming from home or social situations.

One of the tools we have used was to roster home our Year 10 - 13 students. We used the Year 10 - 13 students as they did not need to be supervised when they were at home and parents could continue to go to work. Thank you to our whānau for your support with this. It enabled us to re-allocate the teaching staff that were at school to cover the staff that were away. It is very important that all the Year 10-13 students come back to school over the next three weeks and get back into good routines and study before the Autumn holidays which begin on Easter weekend (Friday 15 April). I want to especially encourage all the students that were kept at home by whānau because of the perception that it isn't safe at school because of COVID. As mentioned before; it is not school where students are catching COVID, it is at home and other social occasions. We are taking a soft approach to attendance of students until the beginning of Term 2. All parents and caregivers must ensure their students attend school from the beginning of Term 2. Your child's education is so important. We will be using all the tools we can to get students back to school and your cooperation in this matter is much appreciated.

We have the opportunity on Thursday 7 April to run the postponed Athletics Day sports. We are going to do this as part of getting back to routines and also to give the students something many of them will enjoy!

On Wednesday 23 March the government announced changes to the framework. They said the main tool for fighting COVID has been vaccination. Now that there are 95%+ people who are vaccinated, with a considerable number boosted and with the Omicron surge dissipating, the government has relaxed some of its measures and changed some of the settings under the 'Red' framework. What does this mean for us at school? Vaccine passes, the use of QR codes and the vaccine mandate requiring staff working in a school to be fully vaccinated and boosted will disappear as of Monday 4 April 2022. The number of people in an indoor space can increase to 200. This means we are going to run Year Level and Whānau House assemblies, commencing in Term 2. We have also reactivated the use of the Gym for Physical Education classes. Sport can resume the way it used to be. Students can now participate in club competitions without a requirement to be vaccinated.

Wearing a mask reduces the chances of catching COVID by 53%. Mask wearing will continue at school until further notice. All students and staff inside classrooms and buildings must continue to wear a mask correctly. If students are in corridors, halls, etc. they should be wearing a mask too. If students are outdoors then they do not have to wear a mask. Students on all school buses must continue to wear a mask. Apart from COVID, there is a warning about the Flu (influenza). Continuing to use the health guidelines with COVID will ensure the spread of the flu is minimised. Mask wearing is going to assist us with this but so is flu vaccination.

Finally, an issue that I have noticed over the past few weeks are the number of students swearing and using bad language in public places and around the school. This is totally unacceptable, and we will be having a big push to curb the use of this during the school day. It is unfortunate that our students are exposed to this through their social media sites, television and radio but the lesson is; it is unacceptable to talk that way at school. I would appreciate it if you as parents and caregivers could also support us to ensure your sons/daughters are not excessively swearing or using profanity.

This is the last e-Bulletin before the holidays, so please enjoy your holiday break and we look forward to all the students returning in May, Term 2, the Winter Term. Kia kaha, Kia manwanui, kia hauora. Kia pai te hararei. Noreira ngā mihi nui kia koutou katoa.

Mr Chris Betty

CHANGE OF PROTOCOL

Collection of students during school time *Te kohinga o nga akonga i te wa o te kura*

At Tuakau College the safety of our students is always paramount. Therefore we have recently reviewed our practice of releasing students during the school day. Students will only be released from school to those caregivers that are named on our school KAMAR system. This person will need to go to the Student Centre in person to request the student and will have to show ID. Thank you for your support in keeping our students safe.

HELPFUL TIPS ON Tackling COVID-19 Fatigue/Burnout

Information taken from articles written by Rebecca Joy Stanborough, TFA Editorial Team, Susan Davies and Julie Walsh-Messinger



The World Health Organization (WHO) defines pandemic fatigue as being 'demotivated' and exhausted with the demands of life during the COVID crisis.

The WHO warns that this fatigue could ultimately lead to a longer, more devastating pandemic. Here's a key fact: 'pandemic fatigue' is completely natural.

At the beginning of the pandemic, your short-term survival skills kicked in. Fear kept you motivated but, over time, fear subsided and frustration grew. Exhaustion (and complacency) set in. What COVID fatigue/burnout looks like can vary from one person to the next, but here are some common signs:

- **Feeling emotionally exhausted and cynical.** Two of the most common burnout symptoms are feeling emotionally drained and cynical about the world around you. Researchers have observed these symptoms especially in people who have worked in demanding environments during the pandemic.
- **Being less effective at school/on the job.** Burnout happens when you've run out of personal resources. Self-doubt creeps in and, over time, you may not be able to pay as much attention to school work/tasks. Researchers have noticed that some people with COVID fatigue begin to feel like a failure at school or work.
- **Having a deep sense of anxiety about the future.** Your anxiety may be related to your own future or the future of your community and the wider world. This anxiety could come from the fact that you can't predict when the pandemic will end. When things are unpredictable, people often feel they have no control over their lives.
- **Being less willing to comply with health guidelines.** As the pandemic drags on, more people are tiring of restrictions such as mask wearing and social distancing. Growing tired of inconvenient public safety measures may be natural, but it could prolong the pandemic even further.

Strategies for dealing with COVID fatigue/burnout

The first thing to know about pandemic fatigue is this: under prolonged extraordinary stress, it's completely normal to burn out. Some helpful tips may be to make sure you:

- **Keep your routines.** During times of crisis, experts say that sticking to your daily routines helps maintain good mental health. But how do you hang on to your routines when you may suddenly have to isolate at home or stop working? Narrow your focus to those routines that are necessary for maintaining your livelihood and basic health needs; like eating well and getting good sleep. These often have the biggest influence on how stressed you feel. Researchers call other habits, such as exercising and socialising, 'secondary routines.' They're also important to your mental health. You may need to adapt or replace these habits to fit into your new daily schedule.
- **Strengthen ties with your most important relationships.** If you're feeling fatigued and overwhelmed, it may benefit you to lean into established relationships. This can give you a sense of connection and community, without using up too much of your emotional resources. It is important to remember that not all established relationships are healthy ones. If any of your primary relationships are troubled or toxic, the demands of the pandemic may have put pressure on you and these may not be helpful.
- **Build your resilience.** Resilience is the ability to bounce back from hard circumstances. It may be a personality trait, but it can also be built up intentionally. To strengthen your resilience: believe in yourself (remind yourself of all you've overcome in the past), pay attention to the present moment and exercise.

Avoid feeling overwhelmed by COVID news

During the first surge of the pandemic, lots of people tracked the news hourly or daily. As pandemic fatigue set in, some people turned away from the media as it was causing anxiety and was just too much! It may be helpful to limit your news gathering at a specific time. Some people find it helpful to check the news just once per day and at the same time daily. Consider the source - make sure you seek information from trusted, reliable sources only. Don't just believe everything you might read on social media/news!

The bottom line

People across the globe are feeling exhausted by the prolonged pandemic. Many have lost motivation and are experiencing long term numbness, anxiety or depression as a result of all the uncertainty.

If you're feeling burnt out by COVID, you may be able to strengthen your resolve and resilience. You can adjust and re-prioritise your daily routines. You can lean on long term relationships. You can avoid unhealthy habits and reach out for help when you need extra support.

The pandemic won't last forever and the self care skills you build now will continue to carry you through the challenges you may face in the future.

We have been navigating uncertainty since 2020, when this virus started. For students (and teachers, along with parents/caregivers) **the day in, day out, unpredictable nature of the pandemic can take a mental toll and be fatiguing.**

The type of fatigue or burnout we are talking about is directly related to how unrelenting the stress is. There is no end in sight for the pandemic and this can lead to an overwhelming sense of loss of control.

Attitude plays an important role in adapting to the multitude of stressors that we are all facing. It is crucial to be aware of what you can control and what you cannot and focus your energy on those things you can change. It is helpful to look into the future and gain perspective. It may help you to realise that eventually, over time, the pandemic will pass and things will be less challenging.

Acknowledge that everyone is facing the unknown together. Be there for others and help others when/where you can. Having an optimistic perspective can provide you with the fortitude to weather the storm.

Be more thankful. As things get postponed/cancelled and there is uncertainty about the future, it's good to appreciate the things we take for granted. We can be happier when we are more thankful for the little things.

Taking the time to reflect on and digest the current situation will put all of us in a better position to enact our changing goals and help and support those around us.

Information taken from:
<https://www.healthline.com/health/mental-health/covid-fatigue>
<https://theconversation.com/how-to-help-kids-with-long-covid-thrive-in-school-169076>
<https://www.teachforamerica.org/one-day/top-issues/tackling-covid-19-fatigue-as-a-teacher>



Unite
against
COVID-19

VISION:
 Tuakau College prepares students for life through a quality education promoting excellence in all things.
 TUAKAU COLLEGE

STRATEGIC GOALS:
 TUAKAU COLLEGE WILL:

- Maximize opportunities for student achievement.
- Lead development in local education in a continuously changing world.
- Be the heart of the community where everyone wants to be.

EXCELLENCE
 Tino pai rawa
 Pai rawa atu i nga mea katoa.
 The very best in all things.
 TUAKAU COLLEGE

PERSEVERANCE
 U tonutanga
 Kaua e mate wheke mate ururoa.
 Don't give up like an octopus but fight like a hammerhead shark.

INTEGRITY
 Ngakau Tapatahi
 Kaua e takahia te mana o te tangata.
 Do not trample on the mana of the people.

CARING • LOVE • RESPECT
 Manaaki • Aroha • Whakaute
 He aha te mea nui? He tangata, he tangata he tangata.
 What is the greatest thing? It is people, it is people, it is people.

Feature CAREERS AND GATEWAY



A WORD FROM MS ASKEW (CAREERS ADVISOR):

Having a variety of jobs in the past provided a good background for Ms Askew when she took over the Careers Advisor position at Tuakau College in 2017. Her journalism role certainly helped with the interviews she conducts with senior students to glean their career path and offer guidance. As she says when she interviews students, "If you have a firm plan of what you want to do that's great, but if you don't that's fine as well." Tongue in cheek she often jokes, that she herself still hasn't decided what she wants to do. But, more seriously, having tried lots of different things has made for an interesting work history.

Ms Askew works closely with Shelley (Gateway Coordinator) interviewing students, liaising with employers and attempting to distribute the vast amount of information they receive each week. She organises visits from universities, other tertiary providers and speakers from a variety of industries to talk to our students about their experiences in their chosen field. Ex-students are sometimes invited back to talk to the current students about their after school work experience. Students are taken to University Open days, Field days, Careers Expos and other career related activities. COVID-19 has had a real affect on being able to run these events, with the annual combined Schools Career Expo, a very worthwhile event attracting nearly 80 exhibitors, being an example of this. This event (scheduled for March, 2022) has had to be postponed until June, 2022.

Students, regardless of age, who would like some career guidance are welcome to visit the Careers Office and see the many resources on display there, and be offered some friendly advice from either Ms Askew or Shelley.

Ms Askew

A WORD FROM SHELLEY (GATEWAY COORDINATOR):

Not sure what you want to do when you leave school or think you have an idea but would like the opportunity to do work experience? Are you Year 12 or 13? Do you have good attendance? Are you ready to explore your work options? Maybe do a short taster course during the holidays? If you have said yes to one or more of these questions and you would like to find out more about how Gateway can help, then I am the person to come and talk to! You will find me in the Careers Office ready to help, so pop in and lets see what your future career might look like!

Shelley

SAVE
THE
DATE

**FRANKLIN SCHOOLS'
CAREER EXPO**

Where: Pukekohe Indian Association Hall
Ward Street, Pukekohe

When: Thursday 30 June, 2022

Doors open from 5:30pm to 7:30pm

SCIENCE FEATURE

ĀHUAHIRA PŪTAIAO



A word from Mr. Van (Head of Science Department):

Kia Ora, Good day, Namaste, Bula, Good dag and warm pacific greetings! My name is Gerschen van Niekerk and I am the Head of Science here at Tuakau College.

For the past two years and three months, I have had the privilege to serve an amazing team of teachers here at Tuakau College. Together the team and I had to traverse all the challenges brought about by the COVID-19 pandemic. However, we used the changing teaching landscape as an opportunity to reflect and to redirect our teaching pedagogies. We had to quickly develop and strengthen our ability to adopt hybrid teaching models, from face to face to ZOOM and Google applications; and the 2021 academic results are the result of this!

Unfortunately, at the end of 2021, we were saddened by the departure of our Assistant Head of Science, Mr Miller, who worked very hard at developing the Junior Science programme. Mr Miller and his lovely family have moved up north. This year we were fortunate to gain the expertise of Mrs Jacobs who tells us more about herself later in this e-Bulletin feature.

Our Goals: The 2022 academic year will be no different to the past few years. The department has set clear and tangible goals. We will continue to place a strong emphasis on relational practices. By doing this we build reciprocal trust - a foundation for authentic learning experiences. Secondly, we will continue to instill and ignite in our students a passion for Science, by introducing programmes that are fun, relevant and engaging. Lastly, we will continue to embed the Treaty principles into our practices as well as develop more resources on Maturanga Maori.

Mr. Van Niekerk

SCIENCE TEACHERS 2022



**Mr G. Van
Niekerk**

Year 13 Biology, Year
11 and 13 Horticulture
and Year 10 Science
Teacher



Mr C. Betty

Year 13
Chemistry
Teacher



**Mr M.
Chidambaram**

Year 12 and 13
Physics and Year
9 and 10 Science
Teacher



**Miss K.
Smith**

Year 12 Chemistry,
Year 12 Biology,
Year 9, 10 and 11
Science Teacher



**Mrs R.
Withers-Lauer**

Year 12 Horticulture
and Year 9 and 10
Science Teacher



**Mrs J.
Preston**

Year 9 Science
Teacher

Mrs I. Jacobs

Assistant Head of Learning Area Science

Year 9, 10 and 11 Science Teacher



Hey! I'm Ilze Jacobs and I am the Assistant Head of Science at Tuakau College. Originally from South Africa, I have been living in New Zealand for the past five years. I hold a B. Sc and M. Sc degree in Food Science and Biochemistry.

I've taught Biology, Physics, Chemistry, Mathematics, Hospitality Studies and Consumer Studies at various schools across South Africa but I've been teaching Biology and Science for the past five years at Otahuhu College, and now at Tuakau College.

My biggest achievement to date has been winning one of the Maurice Wilkins Centre Science Teacher Development Scholarships to attend the Queenstown Research Week in 2019.

Food Science is my passion and cooking and reading are some of my favourite hobbies! I'm married to Stephan and we have three boys aged 8, 12 and 14 and we live in Pukekohe.

I am very excited to meet the parents of all the students I have the privilege of teaching here at the college. *Mrs I. Jacobs*

I am the Science Technician for the Science Department and my role is to provide equipment, reagents and anything required for all Science classes (Junior College, Middle College and Senior College) practical's in the classroom or laboratory.

I live in Pukekohe with my husband and two young kids. I have a Bachelor of Medical Laboratory Science (BMLSc) degree from AUT and specialised in Haematology and Immunology.

Having this qualification has enabled me to work in various hospital laboratories, community laboratories and veterinary laboratories around the country. After being a stay at home mum for five years, I entered back into the workforce here at Tuakau College, in my current role.

I have a passion for sports. Playing netball for most of my school life and then rowing whilst at university, I also organised a charity fundraiser for iSport where we set a New Zealand Indoor Rowing record for rowing 100km as a team. All funds raised went to helping get kids into a sport or helping out with sport related costs.

When I'm not working I enjoy keeping active through sport and fitness, spending time with friends and family, travelling and boating. *Louise Ramsay*

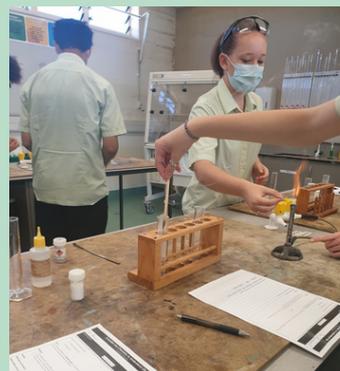
Mrs L. Ramsay

Science Technician Extraordinaire



**Year 10 Science
Tau 10 Pūtaiao**

These Year 10 scientists identified two unknown gases by completing a reaction between two substances using gas testing techniques.



GARDEN TO TABLE

GROW, HARVEST, PREPARE, SHARE

AT TUAKAU COLLEGE



Tuakau College is now a 'Garden to Table' school. This programme has four pou to provide students an opportunity to grow, harvest, prepare and share. A Year 7 class (70) will pioneer this programme this year and based on the success of this rollout, the programme may be extended to all Year 7 and 8 students in 2023!

We have chosen to be part of this programme to instill a passion for gardening and cooking from a young age. 'Garden to Table' believe that children are changemakers and their kaupapa is to empower rangatahi to grow, harvest, prepare and share great food. The four pou will allow students to:

- **To grow:** connecting to Papatūānuku, understanding how our earth can produce nourishing seasonal kai
- **To harvest:** practicing food security for now and the future
- **To prepare:** reducing food waste and creating tangible connections between the earth and our kai
- **To share:** finding creative ways to use produce and enabling korero around where kai comes from

How does 'Garden to Table' work? A 90 minute weekly session, half the class in the kitchen and half in the garden, linked with school curriculum. The children will do everything themselves in the garden and kitchen.

This will include sowing seeds and feeding soil, planting and composting, watering, using real-life tools, measuring and weighing, working as a team, sharing and enriching school connections.



Mrs Dzadya (70 Homeroom Teacher) has developed a teaching programme around how 'Garden to Table' will fit into her existing Science programme. To start, one 50 minute Science lesson will be allocated per week which will be a mix of theory and practical work. For the practical part, 70 will use the Food Technology room and will be supported by the Head of Hospitality, Mr De Boer. Tuakau College will install two garden boxes with an area for composting and a worm farm present.

We are excited about being a 'Garden to Table' school and can't wait to see all the cool things our students learn from this programme!



HORTICULTURE



Garden Makeover *Maara Hanga*

The Horticulture gardens are currently undergoing a significant makeover. This is a collaborative effort that involves our Senior Horticulture classes, Mr Moody, Bill and the amazing help from Twomey Construction. Adam and Jock, who both work for Twomey's, have been so supportive and offered their time and resources to make this project a reality.



11 February - 11 Horticulture class weeding the gardens



16 February - Gardens weeded



17 February - Students removing the existing garden boxes



21 February - Adam from Twomey Construction clearing the soil



21 February - A blank canvas



7 March - Twomey Construction adding soil to our new gardens



7 March - Twomey Construction adding soil to our new gardens



11 March - Extension of the hardening off area and building of composting



HORTICULTURE CONTINUED...

Small Motors Course *Akoranga Motini Iti*

Eight of our Year 11 Horticulture students recently participated in a Small Motors Course, here at school. The two day course involved some theory and practical work. The purpose of the course was to:

- Develop their understanding of the working principles, maintenance and servicing of petrol and diesel engines
- Help students be able to maintain hand tools and service small engines in Primary Industry Operations

All of the students were able to successfully complete the Unit Standards that were offered as part of the course, and were awarded with seven NCEA Level 2 credits each. The tutor from Pacific Coast Technical Institute was very impressed with the students work ethic.



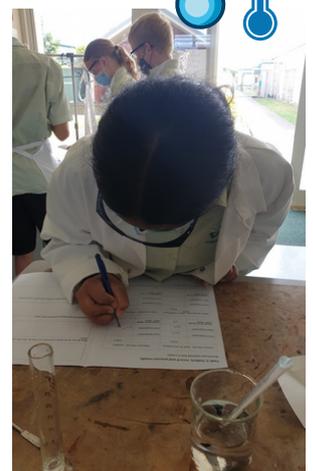
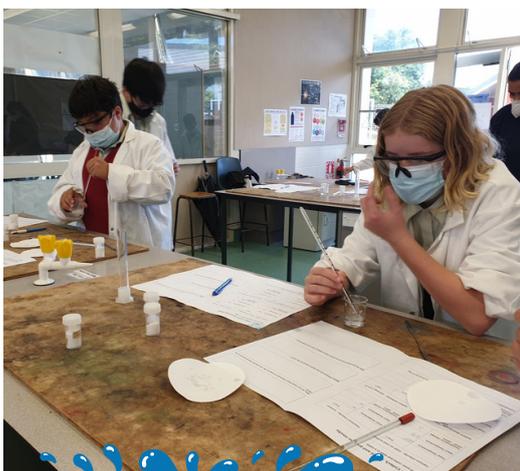
Conducting a fault check on a generator



Sharpening tools

Year 7 and 8 Science *Tau 7 me 8 Pūtaiao*

Year 7 and 8 scientists recently conducted an investigation into the effects of different substances on the temperature of water. This investigation aimed to draw students attention to water pollutants and how these may affect the mauri of our awa.





Science Department Team Building Day *Te Ra Hanga Kapa o te Tari Putaiao*

The Science Department started the year on a high. The junior college and senior college Science teachers attended a team building day led by Mr Van Niekerk, Mrs Walia and the specialist team at Kokako Lodge in the Hunua Ranges. The objectives for the day were:

- Setting SMART goals (personal and professional)
- Introduce our new staff to the Science Department
- Introduce the theme for the term - 'Sustainability'
- Having fun



Staff arrived at Tuakau College and the team headed off to Hunua, on a dreary, dull rainy day. We were all feeling somewhat subdued, due to the liquid sunshine, but this wasn't going to hold us back. Owing to the fact that Kokako Lodge is set beautifully into the Hunua Ranges, the misty rain often fails to lift throughout the day, but this did not dampen our spirits. Introductions, coffee and kai all round, we began our brief with our efficient tutor, Natalie.

First up, over to the hall area for team building activities. These icebreaker activities generated much fun, competition and laughter amongst everyone. The first activity commenced with the group being split into two teams; Yellow and Blue.

The aim of the game was to work as a team to move four pieces of wood from the first mat to the third mat, with only one piece of that wood being in the air (someone's hand) at any given time. A bigger piece was not permitted to be on top of a small piece - this evidently had us all thinking outside the square. Yellow team won that round!

In the second round, our delightful tutor added more pieces of wood - now the brains were working in overdrive! The Yellow team won again! Upon reflection, it appeared that much learning took place within teams - each team realising that listening and communication were two key elements for this ice-breaker to be successful.

Continued on next page. . .

SCIENCE DEPARTMENT TEAM BUILDING DAY CONTINUED. . .

The third round saw everyone working together. We were offered a large rope that was placed in a circle and everyone needed to sit around the edge of the rope and work as one to pull ourselves to a standing position. Most of us fell over! Still utilising the rope, we were also given lengths of small rope, large heavy-duty rubber bands and a bundle of 'dynamite.' This dynamite needed to be removed from the rope circle using only the kit that we had.

After lunch, we were issued a card each and we needed to place ourselves in a line from the 'biggest pest of the bush' to the 'least pest of the bush.' As budding Scientists we were all fascinated to discover our idea of pests were so varied, even wrong for some of us! The biggest (while in actual size is the smallest) pest is the common wasp. They create absolute havoc and damage within the bush. I believe the least harmful pest in the bush was deer.

Last but not least, the weather had improved so we headed down to the Hunua Falls to conduct a water quality check on the water from the Hunua Falls. Natalie produced a range of paraphernalia for the team to experiment with, explaining as she went the results of each test.

Just like our students, we all got to use a range of scientific equipment used to test water quality. This was all new to us so it was very exciting, hooking us all in to 'want to have a go' which in turn leads to new learning for all of us!
Mrs Clarke (Junior Science Teacher)



Our Science department students are fortunate to continue being part of the Pūhoro STEMM programme.

Pūhoro weekly sessions run for one hour during lunchtimes for Year 11 - 13 students. Sessions alternate between Kaihautū sessions and academic tutorials. Kaihautū sessions involve 21st century skills (CV writing, learning styles, life skills), te ao Māori concepts and micro-credentials, etc. Academic tutorials are taught in alignment with the Science curriculum to help enhance our taura learning.

Coined by Learn Blake for Ngā Kura-ā-iwi o Aotearoa, Pūrau is a whakaaro Māori representation of Science, Technology, Engineering, Mathematics and Mātauranga (STEMM) that derives from pāngarau, hangarau, pūtaiao and pūkaha. Pūrau, or STEMM, is a kaupapa Māori approach to STEMM and seeks to improve equitable access to Pūrau education; and pathway Māori high value careers to revolutionise the landscape. Pūhoro recognises the unique position we have in Aotearoa where we have access to two knowledge systems: Mātauranga Māori and Western Science. Pūhoro celebrates mātauranga Māori as a Māori knowledge ecosystem underpinned by kaupapa and tikanga Māori.

We are thankful for our STEMM facilitator, David Hemopo, whose responsibility is to facilitate the sessions - he is awesome! The students who are part of this programme are: Haley Dunn, George Hawera, Te Aomarama Heta, Hauraki Hira, Mica Matthews, Mikayla McFarlene, Tahlia Mueller, Awhinatia Ngataki, Malia Potini, Dj Scott, Rangipokaia Shaw, Wairangi Shaw, Kaiya Tarawa, Tila Tauhara-Teao, Hayden Thompson, Jordyn Tuhiwai, Epi Tusani, Evanza Waretini, Roxy White and Arwen Winter.



Year 9 Science Tau 9 Pūtaiao

These Year 9 Science students are using scientific equipment to conduct a range of experiments.

The students who used the Bunsen burner correctly were awarded with a Bunsen Burner Licence.



Pani, Wairua, Kiritaahanga and Mahu testing which flame creates soot.



Kiritaahanga lighting a magnesium strip



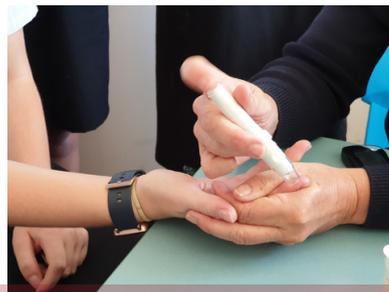
Year 11 Science Tau 11 Pūtaiao



These Year 11 scientists are carrying out a practical investigation to find the relationship between the height at which the golf ball is released and distance it rolls along the artificial turf.

Year 13 Science Tau 13 Pūtaiao

Year 13 students are currently completing a scientific report looking at how the human body regulates glucose levels in the blood, and decided to interview the Tuakau College on-site registered nurse and have their blood glucose levels checked. We have learned (the hard way) that not eating and exposing some students to needles (and blood) was not a good idea.



HEALTH CENTRE Tari Hauora

- We have been advised by the Counties Manukau Health Board that they have had to cancel the in school vaccination (eg. Gardasil) programmes that were scheduled for this month. Nurses are being redeployed to Middlemore Hospital to assist with staffing due to COVID-19. Once nurses are able to return again, the Counties Manukau Health Board will reschedule new dates.

Alison Robertson (School Nurse)

Phone: 09 236 8521 ext 155

Clay Target Shooting Team *Te Tiima Whakapuu Whaingā Uku*

Our Clay Target Shooting team competed at the Pukekohe Gun Club School Shoot on Thursday 17 March, 2022.

Congratulations to Ryan Beatty who was awarded third place for 'Junior Shooter.' Tuakau College was awarded third place for 'Team Point Score.'

The team is: Liam Booker (not pictured in photo), Caleb Duval, Ryan Beatty, Saxon Jamieson and Russel McIntyre,



Winter Uniform *Te kakahu o te takurua*

The weather is starting to change and as we prepare for Winter, this is a reminder about our Uniform requirements for the upcoming colder months.

The only jacket/jumper that can be worn is the Tuakau College uniform. Please ensure that your child has what they need for school and does not come with hoodies, etc. Items worn under the school shirts must not be visible. Plain black scarfs only may be worn.

The school skirts are designed to be worn with the hem just above the knee. There are some students who are either rolling their skirt up or who are wearing skirts that are too small, causing them to ride up. Please check that the length of the skirt is appropriate for our uniform standards.





**SVA
SERVICE
AWARD**



Congratulations to Amelia Harms, Charlotte Hyland-Mills, Jordyn Tuhiwai and Robert Davies who have earned their Member and Bronze Service Award pins!

This award is a free nationwide framework that recognises volunteering efforts of Year 9 to 13 students. Students are awarded a pin for initial volunteering hours before logging additional efforts online. *To register under Tuakau College visit <https://service.sva.org.nz/>*



April 2022 Holiday Programme

KIDS AFTER SCHOOL

Based at Harrisville School

Harrisville Rd, Tuakau

Programme: 027 694 3022

WINZ Subsidies available for eligible families

Office 09 236 4078 Email admin@kidsafterschool.co.nz

Check out all that's on offer and make bookings at www.kidsafterschool.co.nz or call 09 236 4078.

Programmes available at Bombay, Pukekohe Hill, Karaka, Patumahoe & Waiuku Primary Schools

<p>Monday 18th April</p> <p>Easter Monday</p> <p>Programme Closed</p>	<p>Tuesday 19th April</p> <p>Batter Up!</p> <p>Kick off the holidays with pancakes galore - try pancake art, pick your toppings and enjoy!! Then burn off some energy with a variety of ball games!</p>  <p>\$32</p>	<p>Wednesday 20th April</p> <p>Top Team Competition</p> <p>Join us competing in a friendly outdoor competition! It's team versus team with scores compared across all of our KAS Programmes to find our Top Team!</p>  <p>\$32</p>	<p>Thursday 21st April</p> <p>KAS Red Carpet Movie</p> <p>Dress up in style for our red carpet movie event in our own hall! Bring along a pillow or comfy cushion! Let's make the snacks then kick back & enjoy!</p>  <p>\$32</p>	<p>Friday 22nd April</p> <p>Love Our Planet!</p> <p>Celebrate Earth Day 2022! Painting, creative crafts, outdoor games & activities! All keeping our environment & Mother Earth in mind</p>  <p>\$32</p>
<p>Monday 25th April</p> <p>ANZAC Day</p> <p>Programme Closed</p>	<p>Tuesday 26th April</p> <p>Crack The Code</p> <p>Fancy yourself as a bit of a Sherlock Holmes, Nancy Drew or super sleuth spy? Join us for spy hunts & code cracking fun today! Can you solve our mystery?</p>  <p>\$32</p>	<p>Wednesday 27th April</p> <p>Trip Day</p> <p>Circus in a Flash*</p> <p>Roll up, roll up for this action packed day! Watch our very cool tutors put on an amazing show & then try some tricks yourself! See our Parent Info Sheet for details</p>  <p>\$50</p>	<p>Thursday 28th April</p> <p>Fluro 80's Party!</p> <p>Break out the leg warmers, bright fluro colours and big, crazy hairstyles for a disco-tastic day! We're bringing back all those 80's tunes & party games!</p>  <p>\$32</p>	<p>Friday 29th April</p> <p>Print & Play!</p> <p>Come in your old clothes ready to get messy! We're making works of art! Printing & painting plus all your favourite KAS games!</p>  <p>\$32</p>

*Limited spaces available on trip/special days

Programmes Available:

Main Programme: 8am to 3pm

Half Day available (does not include trip days): 7am to 1pm & 1pm to 6pm

Before & after care available: 7am to 8am, 3pm to 4.30pm & 3pm to 6pm

Click on the "book now" button to register your child

BOOK NOW

MSD Social Sector Level 3 Accreditation



REPLACEMENT BUS CARDS

Please note that if your child loses their bus card, they will need to pay a replacement cost of \$6 to get a new one (from the Accounts Office).

Calendar

Maaramataka

for Term 2 2022

Please note that events on this calendar are subject to change due to COVID-19 restrictions/Traffic Light System

MON	TUE	WED	THU	FRI	SAT	SUN
2 MAY Term 2 starts	3	4	5	6	7	8
9 Manaaki Marae Visit	10 Parent Teacher Interviews	11 Parent Teacher Interviews	12 Manaaki Marae	13 Year 12 'Loves Me Not' Programme Manaaki Marae	14	15
16 Teacher Only Day	17	18 Levels Assembly	19	20 Year 12 OUT Day Tramp	21	22
23 Year 13 OUT Five Day Tramp	24 Year 13 OUT Five Day Tramp	25 Whare Assembly Year 13 OUT Five Day Tramp	26 Year 13 OUT Five Day Tramp	27 Year 13 OUT Five Day Tramp	28	29
30	31 Board Meeting	1 JUNE	2	3	4	5
6 Queens Birthday (Public Holiday)	7	8 Extended Whaanau Year 12 OUT Tramp	9 Year 12 OUT Tramp	10 Year 12 OUT Tramp	11	12
13	14	15 Levels Assembly Junior College Speech Finals	16 Team/Group Photo Day	17	18	19
20	21	22 Whare Assembly	23	24 Matariki (Public Holiday)	25	26
27	28 'Attitude' Talks (All students) Board Meeting	29 School Assembly	30 Franklin Schools' Career Expo	1 JULY Tough Guy Tough Girl Competition	2	3
4	5	6 Extended Whaanau	7 Matariki Awards	8 Term 2 ends		Term 3 starts on Monday 25 July. Term 3 finishes on Friday 30 September.