



WADALBA
COMMUNITY SCHOOL
PROGRESS WITH PRIDE

YEAR
9

2022
MICRO-CREDENTIALS AND
100 HOUR ELECTIVES



UNLOCKING THE BRILLIANCE IN EACH OF US

MICRO-CREDENTIAL BADGES



develop and display moral, civic and socially acceptable behaviours.



ideas to change the school, the community or world.



working together to complete a task or achieve a goal.



presentation of research findings.



develop an understanding of our surroundings, how we can reduce our footprint to help create a sustainable future.



develop an understanding of how to raise and care for animals and grow crops.



improve fitness by being physically fit and healthy.



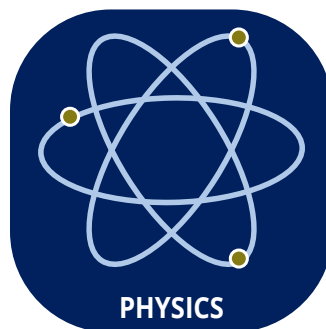
develop ability to understand and connect with people from different cultural backgrounds.



develop skills to create and share photos and videos using social media site.



develop knowledge about food for our health and growth.



the study of matter, energy and the interaction between them.



develop skills to cope with change and unexpected challenges.



develop skills and the belief in their ability to achieve goals.



display motivation to achieve because of own enthusiasm or interest.



develop knowledge or skills to perform a particular task.



display a collaborative effort to achieve a goal or task.



developing original ideas.



conducting effective research.



develop skills to communicate and access information through digital technologies.



working towards a positive state of physical, mental and social wellbeing.



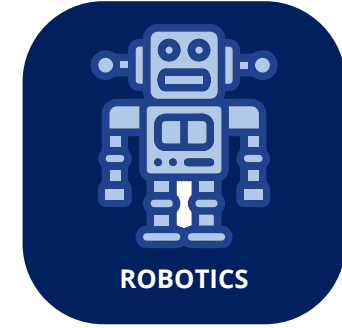
develop skills to think or act for oneself.



design, build and market a product.



develop and display an understanding of respect in valuing people, their differences and opinions.



develop skills in design, construction, operation and use of robots.



the ability to recognise your own feelings, behaviours and characteristics.



showcased learning by teaching others as part of expo.

MICRO-CREDENTIALIAL AND 100 HOUR ELECTIVE PROCESS

1

- Students issued with Subject Selection Book
- Read through all the options
- Speak with relevant teachers if you have any questions.

2

- Log onto Edval Web Choices
- Choose FOUR Micro Credentials OR a 100 hour course that you are interested in
- Choose FOUR reserve Micro Credentials OR a 100 hour course in case you don't get your first choices.

* Micro Credentials - choose in order of preference (selecting a class in option 1 does not mean Term 1).

3

- Participate in all class activities to achieve the subject specific badges
- Reflect on your learning and document your progress on the A3 Micro Credential worksheet
- Collect positive feedback throughout the term
- Present your work and learning at a "Teach Me Tables" expo
- Use your A3 learning reflection and peer feedback to generate your A4 Micro Credential report
- This report and a subject certificate are included in your academic report (half-yearly and end of year).

4

100 hour Electives

- Complete course for the entire year
- Receive assessment tasks and reports the same as other electives (100 hours and 200 hours).

YEAR 9 MICRO-CREDENTIAL ELECTIVE LINE

This Year 9 Elective line allows for students to choose between a 100 hour course OR four (4) one term Micro-Credential elective choices over the year.

The 100 hour choices are detailed in the back of this booklet and in the Web Choices online list for Year 9. The 100 hour course available are:

Agriculture	Ceramics	Aboriginal Studies
Marine and Aquaculture	Industrial Technology - Timber	Commerce
iSTEM (Year 9 Steam Students only)	Industrial Technology - Building and Construction	International Studies
Planet Earth	The Law and You	

The one term Micro-Credential courses are aimed at providing high engagement offerings, linked to contemporary learning competencies and focuses. These competencies include:

- problem solving/critical thinking/creative thinking;
- communication (multi-literacies);
- social skills and teamwork;
- resilience;
- ICT skills/digital literacy;
- self and social awareness;
- respectful relationships;
- innovation and enterprise;
- intercultural understanding/global mindset and self efficacy.

Some of the course offerings harness opportunities that were previously only available as extra curricula. Assessment for these electives will include an end of the course display, including sharing of key ideas through 'teach me' table presentations where students will be able to share their learning with families and community.

Students will gain a WCS Micro-Credential for reporting the competencies that students demonstrate through their course. Students will use self and peer assessment to reflect on their learning which will be included in their reports.



MICRO-CREDENTIAL

ONE TERM ELECTIVES

CAPA

Acapella



Do you love to sing? This class will cater to all levels, from beginners to more experienced singers with a shared passion for music and singing. Acapella is singing without instrumental accompaniment, just like the Pitch Perfect films!

The course will take students through a series of workshops in vocal and musical skills, vocal percussion/beatboxing and performance skills. Acapella is a great way to improve confidence, teamwork and performance skills!

CAPA

Comic Books



A comic book is a magazine that presents a serialised story in the form of a comic strip, typically featuring the adventures of a superhero. In this class you will learn about onomatopoeia - “bang” “crash”, speech bubbles, and cartoon illustration to create a comic. The comic will be your own storyline in any style that you like. This can include manga, toon, gag a day or developing your own style.

CAPA



COLLABORATION



CREATIVITY AND IMAGINATION



SELF MOTIVATION



TEAMWORK



'TEACH ME TABLES'

Dance Technique and Choreography

Performance quality involves sustaining control and manipulation of space, time and dynamics in relation to the dance performed. It also involves the demonstration of the quality of line, projection, commitment and kinaesthetic awareness which lead to a clear interpretation of a dance.

In this course we will be focusing on correct technique and will be exploring a range of styles through choreography that is taught each lesson. Students will also have the opportunity to explore their own creativity through composing their own routines and patterns.

CAPA



COMMUNICATION



CREATIVITY AND IMAGINATION



CRITICAL THINKING



'TEACH ME TABLES'

Drawing

Do you love to draw or would you like to learn how to draw? In this course we accommodate beginners with the development of foundation skills in human face and figures, still life and landscape. You can also advance your existing skills in your chosen style; fantasy, anime or realism.

CAPA



CHARACTER EDUCATION



SELF EFFICACY



'TEACH ME TABLES'

Driver Education

Are you excited about the prospect of getting your license? How would you like to get ahead of the game by learning some of the basics of driving and road rules? You will thoroughly examine the Road User Handbook, attempt online practice tests as well as learning how to fill in the Learner Handbook. Participate in fun workshops about reading road signs, parking, driving in poor conditions, limiting distractions and vehicle safety, just to name a few.

CAPA

Guitar 101



Guitar 101 is a course designed for those who wish to learn to play the guitar. The course will teach students how to read basic tablature, play open chords and learn guitar riffs. By the end of this course you will be able to play a popular song of your choice on the guitar.

CAPA

Star Struck



Star Struck is a DET production that incorporates dance, drama and singing. This course goes for two terms and is a great opportunity for students to meet and work with students from other schools.

Star
Struck 

CAPA

Theatre Sports



Theatre Sports is a form of improvised theatre; made up on the spot, usually in the form of a competition. This is a fun way to interact with groups of other students you may never have previously had the opportunity to work with, while learning skills of thinking on the spot and speaking in front of a group of your peers.

Students will be given topics to research and then create a performance around. They will work in a group situation devising pieces of theatre that they can perform in front of a variety of audiences.

HSIE

Chess



Teaching strategy, logical thinking and problem solving.

This micro elective enables students an opportunity to learn in a creative and fun manner.

Encouraging students to critically think and assessing varying situations and act accordingly.

Being able to increase students ability to strategically think enables them to apply problem solving techniques to future situations. Many jobs require problem solving and strategical analysis and chess teaches this skill in an engaging way.

We provide chess club each Thursday recess with many enthusiastic students who would love the opportunity to enhance their skills.

HSIE

Heroes and Villains



Delve into the past to uncover the deeds and crimes of historical heroes and villains.

The World Through Film



Students will study a range of periods, events and figures through the medium of film. They will then utilise the skills of History and Geography to analyse the validity of the film's interpretation of the event. They will develop knowledge and skills essential for their future roles as active, informed citizens and advocates for a fair and just society. Skills in critical thinking and independent inquiry-based learning enable and encourage students to become engaged in lifelong learning.

Participating in The World through film will prepare students with the skills required for senior HSIE subjects such as Modern History, Geography, Ancient History, Society and Culture, Aboriginal Studies and Legal Studies.

Zombie Geography



"Remember when school used to be normal? It's getting harder and harder to remember that time. I don't know if it's the same everywhere, but they've told us that a mystery illness has swept the globe and we're not allowed outside.

All the things I used to worry about seem so pointless, going to Nargi's, going skating, hanging out with my friends at late night, doing well at school, ...homework!

I haven't fully worked it out yet, I mean, I still have to work out so many things before life will get back to normal. I want to know how it all started, how it spread and how I can fix it. But all of that will have to wait, I've got to get out... the zombies are coming..."

Learn the Geographical skills to survive the impending Zombie apocalypse!

PDHPE

American Sports



Students will participate in a range of popular American sports, including; Gridiron, Basketball, Baseball and Spikeball and explore new and emerging sports.

Students will also be given the opportunity to analyse statistics of their favourite players and teams, develop fantasy teams and compete against their peers.

PDHPE

Court Sports



Students learn about a range of court sports including Basketball, Volleyball and Badminton. Through modified practical and coaching experiences, students will have an opportunity to explore the rules, skills, tactics and strategies as well as a range of drills and modified games to enhance participation and enjoyment.

PDHPE

Footy Sports



Students learn about a range of football sports including Soccer, Touch Football, Oz Tag, AFL, Rugby League and Rugby Union. Through modified practical and coaching experiences, students will have opportunity to explore the rules, skills, tactics and strategies as well as a range of drills and modified games to enhance participation and enjoyment.

PDHPE

Pickleball



Students will participate in the new and emerging sport of Pickleball. They will be given the opportunity to research the history of pickleball, design their own paddle, analyse statistics and compete in an ongoing doubles competition.

SCIENCE

Animal Welfare

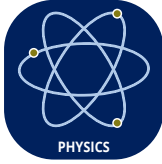
Students will learn the science of Animal Welfare and care, as well as their digestive systems and major health problems. Some hands-on and a chance for an excursion to the local shelter.



SCIENCE

Astronomy and Astrophysics

A look at the planets in our solar system and the stars, galaxies and other parts of the greater universe we live in.



I thought this subject was fascinating because I got to know more about our Solar System and planets called exoplanets outside the solar system.
Student Year 9

SCIENCE

Engineering Science

Students will learn about and build a variety of bridges. Analyse the forces and solve problems related to bridges. They will also test different materials used in construction.



SCIENCE

Enviro-Group

Come and join the 'War on Waste' at Wadalba Community School! This course will provide students with knowledge and understanding on how to reduce their footprint and help create a sustainable future for the planet Earth.



SCIENCE

Farming

Students will experience life as a farmer, this will include raising and caring for animals and growing commercial crops.



SCIENCE

Forensic Science

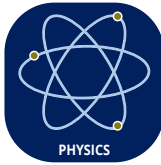
Learn how to solve the perfect crime using Scientific methods.



SCIENCE

Physics of V8 Super Cars

Students will learn the science behind V8 super cars and undertake experiments on slot cars and other model cars.



SCIENCE

Renewable Energy

Design, build and test renewable energy systems.



SCIENCE

Snorkelling and Surf Survival

Students will learn how to snorkel effectively. Gain an understanding of Marine life and dangers present when snorkelling. Students will learn and put into practice several surf survival techniques.



SCIENCE

Space Race

Study the Race to the moon between USA and USSR and the Apollo missions. Launch and investigate many different types of Rockets.



TAS

Aboriginal Culture

Students learn about Aboriginal culture through a range of activities including cooking with native ingredients, mentoring primary students and creating artworks.



TAS

Adobe Photoshop

Students will use Adobe Photoshop to create, edit and manipulate digital images and produce graphic designs.



TAS

Animation



Students will experiment and learn a range of different animation techniques including stop motion, path based animation and 3D animation. They will use a range of software including Adobe Animate and Blender.

TAS

Basic Electronics



Students learn about electron flow, electronic circuits and how various components behave and interact within an electronic circuit. Through practical experience, students learn to identify components and how to connect them to construct circuits in a variety of projects. We start with a very simple circuit with each successive circuit becoming more and more complex. Power supply is only 6 or 9 volt DC.

TAS

Bullet Journaling



Bullet journaling is a creative way of organising and scheduling, reminders, to-do lists, brainstorming, and other organisational tasks into a notebook. You can create pages to track your moods, achieve goals set out or make lists of your favourite movies etc. You will learn about bullet journaling and create your own bullet journal throughout the elective.

TAS

Cafe Culture



In Cafe Culture, students will learn how to prepare and cook a range of simple Cafe Beverages and Foods; including Crazy Shakes, Breakfast meals, Morning and Afternoon Tea items, a Light Meal and Hot Beverages. Basic food preparation, presentation and evaluation techniques will be addressed. Students will complete the course by designing their own Cafe; including Floor Plans, Decor and Furnishings, Menu items and Food Costings / profit margins.

TAS

Film Making



Students will learn about the process of making a film including camera angles and movements, filming techniques. Students will design and produce a film of their own or in a small group. They will learn about the film industry and the different roles and jobs in the industry. They will look at special effects and learn how to create them.

TAS

Hands on Craft



Project based craft, sewing, embroidery, tie-dye and other fabric manipulation techniques.



Students will learn about robotic systems. They will program and build robots using a range of different coding.

At the start of the term we learnt basic coding, talking to the robots through the computer. In the last stint of the term we went to an elective showcase where we showed the robots to the rest of year 9 and there were some really positive comments.

Student year 9



Students learn about deportment, body type and appropriate dress, colour analysis, natural makeup tips, skin care and social etiquette.

Students will make DIY natural products and cook nutritious foods.

TAS

Sweet Things



Students will explore aspects of desserts - types, ingredients, production and presentation. Research related to chocolate, desserts, degustation plates and plate decorating techniques.

TAS

Intro To Timber



Working with Timber - An introduction to designing timber products and how to make them.

TAS

Weaving



Students will learn a range of weaving techniques including plain weave, soumak stitch and how to create a fringing. They will each receive a basic loom and learn how to warp it up and create their own wall hanging using the techniques.

TAS

World Cuisine



Students will learn about foods eaten around the world and the relationship to health. National dishes and cultures will be explored with traditional cooking methods used in the Kitchen. Menus will be created, table settings developed and dishes such as Churros, Enchiladas and Pizzas produced.

These skills will help in the future by allowing me to create food for my family. Learning about different cultures cuisines helped me understand their traditions and ways of living better.

Student year 9



100 HOUR ELECTIVES

CERAMICS *offered by CAPA*

SCHOOL ENDORSED | 100 HOUR COURSE

Why study Ceramics?

Ceramics is a practical subject based on developing skills in building three dimensional objects from clay. Ceramics allows students to acquire skills in designing, building, firing and glazing clay. As Ceramics is a Visual Arts subject, it teaches self-discipline, reinforces self-esteem, and fosters the thinking skills and creativity, so valued in the workplace. Ceramics teaches us that there are many ways to see and interpret the world. This course also examines various cultures and the use of Ceramics from around the world.

Working in the Ceramics industry involves:

- Imagination, experimentation, technical skill, interest in their world visually
- Creative thinking, designing and making
- Constructing various ceramics works including hand building (pinch, coil, slab) and a multitude of techniques and skills
- Expressions of, and responses to the world around you
- Working independently and/or collaboratively on themes, issues and ideas as a basis for visually effective work

SAMPLES OF OCCUPATIONS STUDENTS CAN AIM FOR IN THE CERAMICS INDUSTRY

Animator	Sculptor	Art Critic
Animation Model	Set/Props Artist	Art Historian
Ceramics Artist	Landscape Sculptor	Commercial Artist
Movie Model Maker	Potter	Advertising Artist

Course Description:

Practical

Constructing various ceramics works including hand building (pinch, coil, slab) sculptural forms and mixed media.

Content will be focused on the three dimensional object that can be functional or non-functional. Ceramics works that will be made include; tiles, functional vessels, people, cars, houses, jewellery, abstract sculptural forms.

Theory

Students will investigate how Ceramics has been used through-out history and how it has influenced objects in our daily life. Students will need an A4 Visual Art Diary.

The qualifications possible from a study of the Ceramics course:
School Developed Interest Elective

For more information on possible outcomes please visit the NSW Board of Studies website:
<http://www.boardofstudies.nsw.edu.au>

Course requirements:

Students must have demonstrated a responsible independent learning ability and adherence to the OHS rules in their junior art class.

Course costs (annually): \$55.00

Additionally: Excursion costs to the Potters Society Workshop, Gosford for wheel throwing demonstrations and practice.

Refunds: Students who exit the course before its completion may be eligible for a partial refund of fees. The amount of the refund will be pro-rata, dependent upon the time the student has spent in the course.

HEAD TEACHER: JANELLE JOHNSON

ABORIGINAL STUDIES *offered by HSIE*

BOARD DEVELOPED | 100 HOUR COURSE

Please note - Do not study this if you have already chosen this as a 200 hour course OR
100 hour Vertical Elective

Why study about Indigenous culture?

The history of Indigenous people is inseparably connected to the history of Australia. Through media we often get a lot of incorrect information about Aboriginal and Torres Strait Islander (ATSI) people and we build our own stereotypes without knowing where the truth is. This is why it is an essential idea to learn and explore ATSI peoples rich, diverse and beautiful culture that has continued for at least 60,000. Through studying ATSI culture, you will become empowered through exploring and celebrating Indigenous cultural and social heritage and its longevity. You will develop pride and enlightenment through exploring the local/ regional Aboriginal community, as well as through the studying of Aboriginal cultural diversity.

SAMPLES OF OCCUPATIONS STUDENTS CAN AIM FOR

Researching	Journalism	Public Service
History	Teaching	Policy Work
Archaeology	Social Services	Community Relations

What course topics will you study?

- Aboriginal Identities (30 indicative hours)
- The focus is the diversity of Aboriginal cultures and identities and the factors that contribute to their development and expression.
- Aboriginal Autonomy (30 indicative hours)
- The focus is Aboriginal Peoples and human rights, with emphasis on the importance of self- determination and autonomy.
- Aboriginal Peoples and the Media (20 hours)
- The focus is the key role that the media plays in
- today's society, in particular its impact on mainstream perceptions of Aboriginal Peoples, cultures and issues.
- Aboriginal Film and Television (20 hours)
- The focus is the role of film and television in Australia in the development of non-Aboriginal people's perceptions and understanding of Aboriginal Peoples and cultures.

Course description:

Aboriginal Studies Years 7-10 provides students with the opportunity to gain knowledge and understanding of Aboriginal Peoples of Australia, their cultures and lifestyles. It is designed to be inclusive of all students in NSW schools and is of value to both Aboriginal and non-Aboriginal students. All students are able to develop an appreciation of Aboriginal identity and experiences – an appreciation which acknowledges, and addresses racism existing in Australian society and promotes inclusiveness. Students have the opportunity to develop an appreciation of the unique value of Aboriginal Peoples and their cultures to Australian identity. They can also gain knowledge about contemporary issues affecting Aboriginal communities across Australia. The study of the local community and other Aboriginal communities is important to developing an understanding of the diversity of Aboriginal Peoples and communities. Students develop recognition of the fundamental importance of land and spirituality to all Aboriginal Peoples. They also develop an understanding of the importance of autonomy and self-determination to the future of both Aboriginal and non-Aboriginal people.

Course Requirements: NIL

Additionally: Excursion Costs

Course Costs: NIL

HEAD TEACHER: LESLEY MILLER

COMMERCE *offered by HSIE*

BOARD DEVELOPED | 100 HOUR COURSE

Please note - Do not study this if you have already chosen this as a 200 hour course OR 100 hour Vertical Elective

Why study Commerce?

This subject provides students with a detailed understanding of a range of issues that will impact upon their personal and professional lives. Students explore consumer law, finances, legal issues, business administration and several employment issues.

Working with money involves:

Understanding ethical and responsible social behaviour relation to employment, finance and the law.
Understanding the fundamental rights and rules that promote fairness, justice and equity in our society through responsible citizenship.

SAMPLES OF OCCUPATIONS STUDENTS CAN AIM FOR

Banking	Law	Administration
Finance	Police	Teaching
Accounting	Public Service	Business

Course description:

Students study a range of topics in relation to consumerism, law and society, personal finance and employment. Specialised topics include several options, such as investing, running a business, law in action, E-Commerce, the global economy and travel. Students will develop their writing and ICT skills throughout the course. Students will participate in the ASX (stock exchange) game, and be involved in the Real Game which assists understanding real life choices related to work, employment and buying a house or car. Financial literacy will be a focus area of this course.

Course Requirements: NIL

Additionally: Excursion Costs

Course Costs: NIL

HEAD TEACHER: LESLEY MILLER

INTERNATIONAL STUDIES *offered by HSIE*

APPROVED DoE ELECTIVE | 100 HOUR COURSE

Please note - Do not study this if you have already chosen this as a 200 hour course OR 100 hour Vertical Elective

Why study International Studies (Society and Culture)?

Students will have an opportunity to explore and recognise their own cultures and appreciate the richness of multicultural Australia and other cultures from around the world. In an increasingly globalised world, the knowledge of and appreciation of different cultural practises, values, beliefs and heritages are increasingly more important than ever. Through the exploration of cultural difference and interconnectedness, you will develop the skills to recognise fact, detect bias and challenge stereotypes in order to understand and value inclusion, and to respect the rights of others. You will further develop the understanding of how the study of culture requires knowledge to inform values and develop individual and community participation, action and commitment to be a global citizen.

SAMPLES OF OCCUPATIONS STUDENTS CAN AIM FOR

Researching	Cultural Anthropology	Public Service
History	Politics	International relations
Cultural Studies	Social Services	Community relations

What course topics will you study?

Core Study: Celebrating Culture & Diversity (50 indicative hours)

- Students explore the concept of cultures and its many characteristics, and examples of cultural diversity in the contemporary world.

Challenging Stereotypes (20 indicative hours)

- Students explore the connections between cultures and the roles placed on different genders, illustrating how stereotypes affect how culture is expressed, and the impacts of these differences on societies.

Tune In (15 hours)

- Students explore the ways in which individuals and groups' religious, political or human rights' views are represented through the media.

Cultural Awareness (15 hours)

- Students explore the opportunities for cross-cultural understanding that tourism can provide through careful planning and interaction with people and their culture.

Course description:

Society and Culture Years 7–10 provides students with the opportunity to gain knowledge, understanding and appreciation of the significance of culture within Australia and around the world. Students will develop skills in cultural analysis and intercultural communication in order to equip students with intercultural sensitivities and the intercultural understanding to participate in, and contribute to building a cohesive and just world.

Course Requirements: NIL

Additionally: Excursion Costs

Course Costs: NIL

HEAD TEACHER: LESLEY MILLER

THE LAW AND YOU *offered by HSIE*

SCHOOL ENDORSED | 100 HOUR COURSE

Why Study The Law and You?

This course provides students with an understanding of the nature of the Australian legal system. A thorough understanding of concepts ranging from common law to international law is essential in creating active and informed citizens.

Working in the legal field involves:

- Understanding the importance of ethics in the proper functioning of society
- Understanding the interrelationship between the concepts of justice, law and society
- Understanding the place of law in resolving conflict and encouraging cooperation

SAMPLES OF OCCUPATIONS STUDENTS CAN AIM FOR IN THE LEGAL FIELD

Lawyer	Sheriff
Solicitor	Accountant
Magistrate	Journalist
Criminologist	Politician
Police Officer	Teacher

Course topics:

- Law in society
- Law in action
- True Crime
- Forensics

Course description:

In this course, students examine the nature of the Australian legal system and associated concepts ranging from common law to international law. Students will study law-making processes and the institutions that administer and enforce law in modern society, whilst examining recent legal cases. Students examine the rights and responsibilities of individuals in a range of situations in which they may come in contact with the law. Students will also study true crime, and will examine the events of infamous crimes that have occurred in Australia and internationally. To enhance their understanding, students will study forensics and the scientific methods employed to examine crime scenes and solve crimes. The main focus of this course is for young people to understand and study how the law affects them, and to understand their rights and responsibilities in relation to a range of topics e.g. driving, alcohol, discrimination, employment etc.

Course Requirements: NIL

Course Costs: NIL

Additionally: Excursion Costs

HEAD TEACHER: LESLEY MILLER

OUTDOOR EDUCATION *offered by PDHPE*

APPROVED DoE ELECTIVE | 100 HOUR COURSE

Please note - Do not study this if you have already chosen this as a 200 hour course OR 100 hour Vertical Elective

Why Study Outdoor Education?

Students must be willing to participate in a variety of theoretical and practical learning designed to enhance understanding of activity opportunities in outdoor environments.

Working in the outdoor education industry involves:

Knowledge of Safety Processes
Sport Psychology
Injury Management
Outdoor Education Leadership
Expedition Planning

SAMPLES OF OCCUPATIONS STUDENTS CAN AIM FOR IN THE SPORT INDUSTRY

Sport and Recreation Officer	Sport Psychology	Sport Development Officer
First Aid Officer	PE Teaching	Outdoor Education Leader

Course description:

Students must complete units of theory coursework on a range of topics that may include - Bushcraft, Navigation, Camping, Ecology, Weather and Terrain, Wilderness First Aid, Abseiling, Canoeing, Snorkelling, Mountain Biking, Sailing and Rock Climbing. Theoretical knowledge will be supplemented by practical based learning designed to develop an understanding and love of outdoor activities. Regular excursions will be a feature of the course that require students to engage in activities that help them to build teamwork, communication, resilience and overcome fears.

Course Structure:

Syllabus/School Developed Course outcomes.

Students meet a variety of outcomes in this course, which are based on a range of elective modules. Examples of study modules include:

Bushcraft
Bushwalking/Expedition planning
Abseiling/Roping and Rock Climbing
First Aid
Navigation
Snorkelling/Sailing

For more information on possible outcomes please visit the NSW Education Standards Authority (NESA) website <http://www.educationstandards.nsw.edu.au>

Course requirements: *Students must be willing to participate in a variety of practical activities including school based learning, water sports, outdoor recreation activities and sports coaching.*

Course Costs: \$75

Additionally: Regular Excursions will be a feature of the course and will incur an extra cost as necessary.

HEAD TEACHER: JOCELYN ATMORE (relieving)

PHYSICAL ACTIVITY AND SPORT STUDIES (PASS) *offered by PDHPE*

BOARD DEVELOPED | 100 HOUR COURSE

Please note - Do not study this if you have already chosen this as a 200 hour course OR
100 hour Vertical Elective

Why study PASS?

Students must be willing to participate in a variety of practical activities including, water-sports, outdoor education and sports coaching.

Working in the sport industry involves:

Knowledge of training Principles, Fitness and Training
Sport Psychology
Sport Injury Management Outdoor Education leadership
Sport Coaching

SAMPLES OF OCCUPATIONS STUDENTS CAN AIM FOR IN THE SPORT INDUSTRY

Coaching and player development	Fitness training	Outdoor Education Leader
Strength training and coaching	PE Teaching	
Sport psychology	Sport development Officer	

Course description:

The course involves a combination of both theory and practical units around the area of sport. Students will be expected to participate in all practical activities. There may be additional costs if students engage in extra curricular activities that may be offered to supplement the coursework. Examples may include utilising a swimming pool, canoeing, an overnight camp, surfing or Level of coaching accreditation certificates.

Course Structure:

Syllabus / School Developed Course outcomes.

Students meet a variety of outcomes in this course, which are based on each elective module. The focus of our course is on:

- Managing and coaching groups of students
- Applying the theory and practice of Sport Coaching
- Practical applications of a variety of movement skills
- Fundamentals of sport science
- Problem solving through participation in outdoor education

The qualifications possible from a study of the PASS course: RoSA, Level 1 Sports Coaching, First Aid Certificate. For more information on possible outcomes please visit the NSW Education Standards Authority (NESA) website <http://www.educationstandards.nsw.edu.au>

Course requirements:

Students must be willing to participate in a variety of practical activities including school based activities, water sports, outdoor recreation and sports coaching.

Additionally: Excursion costs

HEAD TEACHER: JOCELYN ATMORE (relieving)

AGRICULTURE *offered by Science*

BOARD DEVELOPED COURSE | 100 HOUR COURSE

Please note - Do not study this if you have already chosen this as a 200 hour course OR 100 hour Vertical Elective

Why study Agriculture?

Students will enjoy gaining knowledge and understanding of agricultural enterprises and the practices and skills required to produce plant and animal products. Tasks will include growing vegetables. Tasks will include growing vegetables, hydroponics, sheep, pigs, breeding and showing chickens. Students will also learn about sustainable farming and marketing practices that are environmentally and socially responsible. The course is 50% practical and 50% theory. There are two excursions – Easter show and Tocal Agricultural College Open Day.

Working in the Agricultural Industry involves:

- Using sophisticated technology, testing soils, hydroponics etc.
- Working outdoors
- Implementation of sustainable farming
- Working with animals
- Growing food, we eat from vegetables to fruit and meat
-

SAMPLES OF OCCUPATIONS STUDENTS CAN AIM FOR IN THE AGRICULTURAL FIELD

Farmer (cattle, pig, sheep)	Veterinarian	Orchard Grower
Horticulture	Park Ranger	Soil Scientist
Agricultural Engineer	Wine Maker	Tree Doctor
Botanist	Florist	CSIRO
Environmental Scientist	Crop Grower	

Course description:

Students will develop knowledge, understanding and skills in the management of plant and animal enterprises, the technology associated with this and the marketing of products. They will also develop the ability to solve problems, plan, organise and conduct scientific investigations, research, collect and organise information. Students will investigate and discuss the impact of agricultural practices on the basic resources of soil, air and water.

To satisfy the requirements of the syllabus students must undertake a range of practical activities. It is expected that students engage in experiences relevant to all aspects of the enterprises studied. These experiences may include fieldwork, small plot activities, laboratory work, plant and animal husbandry activities, and visits to commercial farms as well as other parts of the production and marketing chain. Practical experiences should be used to develop the skills of designing, investigating, using technology and communicating.

Course requirements: NIL

Course Costs (annually): \$20.00

HEAD TEACHER: COLIN HARRIS

iSTEM | YEAR 9 100 HOUR ELECTIVE *offered by Science*

APPROVED DoE ELECTIVE | 100 HOUR COURSE

This course is mandatory for ALL STEaM students currently in Year 8 2021.
This elective IS NOT OPEN FOR ANYONE OUTSIDE OF 8SciD from 2021.

Why Study iSTEM?

STEM education is the learning of science, technology, engineering, and mathematics (STEM) in an interdisciplinary and integrated approach. Students gain and apply knowledge, deepen their understanding, and develop creative and critical thinking skills within an authentic real-world context. It may include inquiry, problem, and project-based learning.

The iSTEM course utilises a practical integrated approach with science, engineering and technology being used to drive engagement in science and mathematics, through the development of technical skills and mechanical engineering knowledge. Its main purpose is to increase student STEM ability, engagement, participation and aspiration. This will lead to an increase in the number of students studying STEM based subjects in their senior years and ultimately the number of student matriculating to tertiary study in STEM and eventually STEM and Non-STEM based employment.

Working in the STEM industry involves:

- Collaborative group work
- Problem solving
- Natural, physical and life sciences
- Computer, electronics, and other technology-related disciplines
- Engineering
- Mathematics and mathematical physics

Course Description:

Students will be utilising this subject to enhance their independent learning skills which will increase their ability to apply their understanding to real-world problems. They will use their critical thinking and collaborative skills to participate in projects on a community and international scale. The main goal for this elective is to allow time for the acceleration into a stage 6 science subject through the development of key organisational, collaborative and problem-solving skills.

Course Requirements: *This elective is NOT OPEN FOR ANYONE OUTSIDE OF 8SciD (8STEaM) from 2021.*

Course Costs: NIL

ADDITIONALLY: This elective will have costs such as excursions and international quiz's etc we aim to keep this all to a minimum.

HEAD TEACHER: COLIN HARRIS

MARINE AND AQUACULTURE TECHNOLOGY

offered by Science

BOARD DEVELOPED COURSE | 100 HOUR COURSE

Please note - Do not study this if you have already chosen this as a 200 hour course or 100 hour Vertical Elective

Why study Marine & Aquaculture Technology?

Marine and aquaculture Technology is for students who are interested in learning about the marine environment. It is a hands-on subject where students learn how to monitor water quality in the marine environment and aquarium/aquaculture tanks, grow and harvest fish, learn about examining stock and disease control. Activities in this subject may involve snorkelling, fishing, boat license testing. This subject could form a basis for further studies in Years 11 & 12 and possibly university or for courses in seafood and aquaculture at TAFE.

Working in the Marine & Aquaculture Technology involves:

- Using sophisticated technology, testing water quality etc
- Working both indoors & outdoors
- Implementation of sustainable fish farming
- Working with animals
- Ensuring growth and survival of marine species

SAMPLES OF OCCUPATIONS STUDENTS CAN AIM FOR IN THE MARINE & AQUACULTURE INDUSTRY

Farmer (marine and fresh water fish farms)	Park Ranger	Marine Engineer
Marine Science	Marine Farms	Commercial Fishers
CSIRO	Fishing Industry	Seafood Processing Companies
Department of Primary Industry	Crop Grower	Marine Life Research
Environmental Scientist	Orchard Grower	
Veterinarian	Water Scientist	

Course description:

In this subject student will study the marine environment and industries related to it. Marine and Aquaculture Technology (MAT) will enable students to develop technological and scientific literacy through practical and theoretical learning. They will increase their capacity to think critically by using a wide range of knowledge and procedures related to the marine environment.

Further, this subject may bring a wide range of marine based experiences and activities including: first aid, excursions to rock platforms, estuaries and mangroves, fishing, snorkelling, diving, sea food cooking, development and maintenance of our Aquaculture facility (ARC), production of marine and freshwater fish species (including trout, Australian native fish and marine fish and animals, care and maintenance of aquarium, talks by professionals involved in various marine industries, classification of marine life. Student interest will determine other activities.

This course will assist students to develop their scientific and mathematical abilities and help prepare them for the ROSA. MAT will also be a good background for those wishing to continue a learning pathway to; Seafood Industry (Aquaculture) VET, Marine Studies and university courses including Marine Science.

Course requirements: NIL

Course Cost (annually): \$20.00

Additionally: Excursion costs

Refunds: Students who exit the course before its completion may be eligible for a partial refund of fees. The amount of the refund will be pro-rata, dependent upon the time the student has spent in the course.

HEAD TEACHER: COLIN HARRIS

PLANET EARTH *offered by Science*

SCHOOL ENDORSED | 100 HOUR COURSE

What is Planet Earth?

It is your home. Planet Earth is a subject specifically designed for student who are passionate about their futures, the big picture of the sustainability of Earth. Students will extend their skills in collaborating with others and the local community to be innovative thinkers to solve real-world issues.

Why study Planet Earth?

Our planet is the third planet from the sun and it is the only known planet known to have an atmosphere containing oxygen, oceans of water and life. For the future existence of humanity, it is important to learn and educate people about sustainability. Sustainability is about managing and protecting Earth's natural resources, ecosystems, climate and atmosphere so that current generations and future generations will have things they need to live a decent life. Students who undertake this subject will be looking at real-world problems with an environmental lens learning about and implementing projects to make our world a more sustainable home.

Working in the Planet Earth involves:

- Knowledge of the world around you
- Interest in the Sciences
- Being committed and focused to producing quality work
- Must be prepared to work independently and in groups to communicate ideas

SAMPLES OF OCCUPATIONS STUDENTS CAN AIM FOR IN THE ENVIRONMENTAL SCIENCE INDUSTRY

Conservation and management of Biodiversity	Environmental Engineer	Nature conservation officer
Renewable energies	Water Quality Scientist	Recycling officer
Environmental Scientist	Transport planner	CSIRO
Ecological sustainability manager	Toxicologist	
Water and Waste officer	Landscape Architect	

Course Outline:

In this subject students will study the local environment and its sustainability. Planet Earth will enable students to develop critical thinking skills to help reduce not only their impacts on the Earth but the impact that the school has on the environment. Through identifying real-world problems students will be able to work together to design solutions and implement them on a large whole school level.

Further, this subject may bring a wide range of environment-based experiences and activities to increase awareness of environmental issues including; excursions to local and city-based zoos, community initiatives, competitions, field trips to local coastal areas and talks by professionals involved in various environmental industries.

Whilst this course will enhance students scientific and problem-solving abilities it will also prepare them for the rapidly changing future.

Course Requirements: Students must have demonstrated a responsible independent learning ability and have a passion for the environment.

Course Cost (annually): NIL
Additionally: Excursion Costs

HEAD TEACHER: COLIN HARRIS

IT BUILDING + CONSTRUCTION *offered by TAS*

BOARD DEVELOPED COURSE | 100 HOUR COURSE

Exclusions: Year 9 and 10 2022: You cannot choose this course if you have already chosen to complete Industrial Technology Building and Construction in Year 9 100 hour vertical elective.

Why study Industrial Technology: Building and Construction?

Industrial Technology: Building & Construction provides opportunities for students to develop knowledge and skills in relation to the construction industries. This subject will also give students the grounding for further study in VET Construction in Years 11 and 12.

Working in the Building & Construction industry involves:

- WHS and Risk Management
- Materials, equipment, tools and machinery
- Communication skills for industry
- Working in teams to complete projects.
- Bricklaying, Paving, Concreting and Carpentry
- Levelling, excavation, concreting & framework

SAMPLES OF OCCUPATIONS STUDENTS CAN AIM FOR IN THE INDUSTRIAL TECHNOLOGY (TIMBER) INDUSTRY

Builder	Architecture	Concreter
Carpenter	Engineers	Structural Landscaper
Electrician	Tilers & Plasterers	Excavator
Plumber	Shopfitters	
Draftsperson	Painter	

Course Description:

This course develops student knowledge and skills relating to the selection, use and application of materials, tools, machines and processes in construction through the planning and production of quality projects. Students will learn fundamental practical and theory skills through the construction of several construction projects.

Course Structure:

Industrial Technology Building & Construction (100 indicative hours)

- WHS practices in the workshop
- Planning and producing projects
- Reading and interpreting plans
- Use of hand and power tools
- Using equipment & machines
- Materials and costing

Assessment:

Student assessment in this subject will be based on both the practical and theory projects undertaken throughout the course.

For more information on possible outcomes please visit the NSW Education Standards Authority (NESA) website <http://www.educationstandards.nsw.edu.au>

Course Requirements: Students are to provide fully enclosed leather footwear.

Course costs (annually): \$45.00

Additionally: Excursion costs

HEAD TEACHER: MEREDITH SMEE

INDUSTRIAL TECHNOLOGY - TIMBER *offered by TAS*

BOARD DEVELOPED COURSE | 100 HOUR COURSE

EXCLUSIONS

Year 9 2022:

You cannot choose this course if you are also selecting 200-hour Industrial Technology Timber.

Year 10 2022:

You cannot choose this course if you have already completed Industrial Technology Timber in Year 9.

Why study Industrial Technology Timber?

Timber is a versatile material that can be used to construct products for every day life. Industrial Technology Timber will give students the opportunity to learn practical and manufacturing skills, innovative processes, problem solving, and project management. Students will have the opportunity to design and construct their own projects.

Working in the Industrial Technology Timber involves:

- Using innovative technology to design and manufacture products
- Reading and interpreting working drawings
- Collaborating with others
- Operating modern tools and machinery

SAMPLES OF OCCUPATIONS STUDENTS CAN AIM FOR IN THE INDUSTRIAL TECHNOLOGY (TIMBER) INDUSTRY

Carpenter	Ship Wright	Teacher
Cabinet Maker	Project Manager	Designer
Shop Fitter	Form Worker	General Trades
Builder	Model Maker	Hardware Shop

Course Description:

This course will give students the skills to:

- Design & manufacture timber products
- Understand the structure of timber
- Select the correct hand tools and follow industry processes
- Operate machinery used in the industry
- Research and learn about emerging technologies
-

Course Structure:

- Properties of timber
- WHS work practices in the workshop
- Interpreting and developing working drawings
- Safe use of hand and power tools
- Developing projects

Course Requirements: Students are to provide fully enclosed leather footwear.

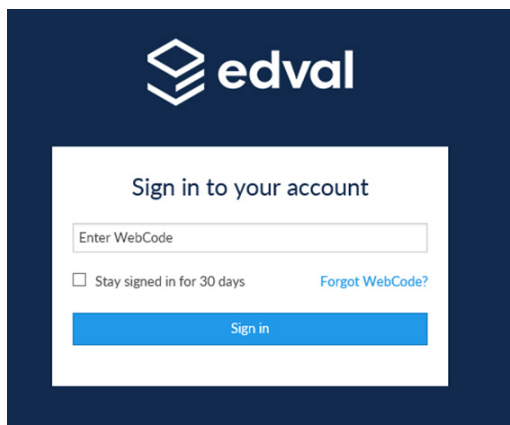
Course costs (annually): \$65.00 (Includes all consumables to complete practical projects)

Additionally: Excursion costs

HEAD TEACHER: MEREDITH SMEE

HOW TO MAKE YOUR SUBJECT SELECTIONS

1. Go to the website: <https://my.edval.education/>
2. Enter the webcode provided on the front of your booklet into the logon screen.



3. You will need to make sure you complete all **THREE (3) forms**. Begin by choosing the form **Micro Electives/100 Hour 2022**.

MICRO ELECTIVES/100 HOUR 2022
Open for submission

4. Choose your subject selections on the screen. You must choose a 100 hour course OR 4 term electives in your main preferences and reserves - it need to add up to a total of 4 units in your main preferences and 4 units in your reserve.

MICRO ELECTIVES/100 HOUR

Main Units	Subject	Fee	Units
100hr Elective	No Selection •	\$0	0
Interest Elective	No Selection •	\$0	0
Interest Elective	No Selection •	\$0	0
Interest Elective	No Selection •	\$0	0
Interest Elective	No Selection •	\$0	0
Total		\$0	0

Main Units	Subject	Fee	Units
<i>Reserve</i> 100hr Elective	No Selection •	\$0	0
<i>Reserve</i> Interest Elective	No Selection •	\$0	0
<i>Reserve</i> Interest Elective	No Selection •	\$0	0
<i>Reserve</i> Interest Elective	No Selection •	\$0	0
<i>Reserve</i> Interest Elective	No Selection •	\$0	0
Total		\$0	0

5. You can log back in and alter your selections until the closing date.

