

YEAR 9 CURRICULUM HANDBOOK

GOLDSWORTHY CAMPUS



Northern Bay P-12
College

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Subject Selection Information

At Northern Bay College, Year 9 students follow a balanced and flexible curriculum that combines both core subjects and elective choices. The core subjects—**Maths, English, Science, and Humanities**—are a crucial part of the curriculum, with **10 periods each fortnight** dedicated to these foundational areas. **Health and Physical Education (PE)**, which runs throughout the year with **5 periods per fortnight**.

In addition to the core subjects, students have the opportunity to select **3 electives per semester**, amounting to **6 electives in total** for the year. This structure allows students to explore their interests and discover new passions across a range of disciplines, whether it's the arts, technology, sport or something else entirely. By choosing different electives each semester, students can tailor their education to their evolving interests and strengths.

Our two Pillars of Excellence —**IMPACT** and **SEED**—run for the entire year and each occupy two elective spots. These year-long programs provide students with a deeper, more immersive learning experience, where they can engage in long-term projects, leadership activities, and real-world applications. Participation in these programs gives students a chance to develop specialized skills while still maintaining a connection to the core subjects and other electives.



English

Why do this subject?

- ❑ I like to work with my peers and analyse different texts.
- ❑ I want to explore my creative side and express it through writing.
- ❑ I enjoy working on my spelling and upleveling my vocabulary
- ❑ I like reading and exploring how authors/directors create texts.



What is English all about?

The study of English is central to the learning and development of all young Australians. It helps create confident communicators, imaginative thinkers and informed citizens. It is through the study of English that individuals learn to analyse, understand, communicate and build relationships with others and with the world around them.

What skills will I develop?

Read and analyse a wide variety of texts to find deeper meaning and create links between ourselves and the world around us. Write using a range of text structures which support further skill development in Year 10 and beyond. Develop oracy through discussions and verbal challenges that require listening, thinking and responding.

What type of things will I do?

- How Do I Belong?
- Whose Reality?
- Encountering Conflict
- Future Fears

Studying English will develop your communication skills to ensure that you are competent in your chosen career. It will broaden your horizons both creatively and logically, enabling a structured approach to planning, drafting and delivering communication verbally, in written form and through the appropriate technology.

Possible Pathways

Possible Pathways	
Year 10	Year 10 English
Year 11/12	VCE English VCEVM Literacy

How am I assessed in this subject?

- Monologue (oral presentation)
- Language Analysis
- Text Analysis (essay)
- Portfolio of various texts

English as an Additional Language

Why do this subject?

- ☐ I like working in small groups.
- ☐ I want to explore films and learn why they're made like that.
- ☐ I enjoy working on speaking and getting ready for an oral presentation.



What is E.A.L all about?

The study of English as an Additional Language (EAL) is important for all students who have recently come to Australia and or come from Culturally and Linguistically Diverse backgrounds. It focuses on Speaking and Listening, Reading and Viewing, and Writing. All students in the EAL class are given tasks that they can complete. It is important in the EAL program to learn all the necessary skills of English for all other subject areas.

What skills will I develop?

- **Speaking and Listening:** practice discussing various topics in small groups, prepare, rehearse and deliver a formal oral presentation, give feedback about the oral presentation delivered by another student.
- **Reading and Viewing:** read and develop skills in understanding the meaning beyond the literal, relate texts to self, and understand the thinking behind why the author or film director created the novel, an image or a film.
- **Writing:** develop strategies to write sentences and whole texts based on a model, with the use of an exemplar, a planner, sentence starters, key vocabulary lists and assessment criteria, in small groups and individually, learn to highlight and annotate own writing and another student's writing.

What type of things will I do?

- Term 1 - students learn about the lives of other new Australians.
- Term 2 - students read the novel Black Cockatoo, and create personal text-responses to topics such as living in two different cultures.
- Term 3 - Analysing media persuasive texts, analysing and understanding arguments in written and visual texts.
- Term 4 - Students have the opportunity to identify the creative intent behind the camera work, costuming, music and story-telling in the film, The Truman Show.

How am I assessed in this subject?

- Small-group discussion
- Oral presentation
- Reading and viewing comprehension activities
- Personal text-response essay
- Analytical essay plan

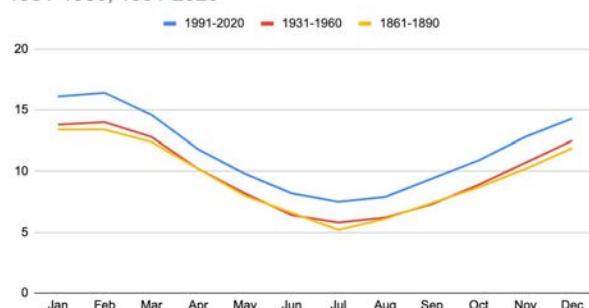
Possible Pathways	
Year 10	Year 10 EAL
Year 11/12	VCE EAL VCEVM Literacy

Maths

Why do this subject?

- ☐ I want to develop Problem Solving Skills
- ☐ I want to think deeply about Mathematics and how it fits into the world around me
- ☐ I like working with numbers and learning new things

Melbourne Mean Minimum Temperature 1861-1890, 1931-1960, 1991-2020



What is Maths all about?

Year 9 Mathematics looks to extend students' use of mathematical models to a wide range of familiar and unfamiliar contexts, involving the use of all types of real numbers. With content such as exploring the use of Measurement, Geometry, Number, Algebra, Statistics and Data. Year 9 Mathematics asks students to explore mathematics as a tool for engaging with mathematics and numeracy and provides them with the tools to problem solve in the real world.

What skills will I develop?

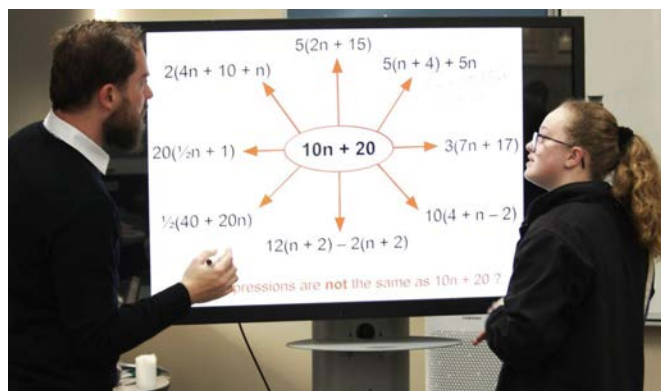
- Real world applications for Number and Algebra
- Evaluate the accuracy of Data and Statistics in society
- Investigate elements of Shape and Measurement in contemporary workplaces
- Use of Digital Technologies like Google Sheets and Forms for real life mathematical application

What type of things will I do?

- Number and Algebra
- Geometry, Measurement and Space
- Statistics and Probability

How am I assessed in this subject?

- Investigations
- SACs



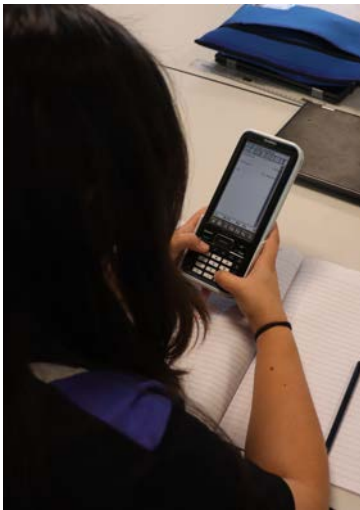
Possible Pathways

Year	Possible Pathways
Year 9/10	Accelerated Maths
Year 11/12	VCE Foundation Maths VCE General Mathematics VCE Maths Methods

Maths Advanced

Why do this subject?

- ☐ I love Mathematics
- ☐ I love challenging myself with abstract mathematical situations
- ☐ I want to study higher mathematics in the future



What is Maths Advanced all about?

Year 9 Advanced Mathematics challenges students to apply mathematical reasoning and problem-solving to complex and abstract contexts. Building on core concepts in Measurement, Geometry, Number, Algebra, Statistics, and Data, students will explore advanced strategies and extend their use of mathematical models to unfamiliar and real-world scenarios. This course encourages analytical thinking, fluency with a range of number types, and a deeper understanding of how mathematics underpins critical decision-making in academic and real-life situations. This topic will cover aspects of both the Year 9 and Year 10 curriculum.

What skills will I develop?

- Applications of Number and Algebra to solve complex problems
- How to apply mathematical reasoning to solve future problems
- Analyse and interpret current world statistics and make inferences for the future

What type of things will I do?

- Number and Algebra
- Algorithmics and Proof (computational thinking)
- Geometry, Measurement and Space
- Statistics and Probability

How am I assessed in this subject?

- Investigations
- SACs



Possible Pathways	
Year 9/10	Accelerated Maths
Year 11/12	VCE General Mathematics VCE Math Methods VCE Specialist Mathematics

Science

Why do this subject?

- ❑ I want to learn about the structure of objects and how atoms create them.
- ❑ I like to learn by researching and forming ideas in groups.
- ❑ I enjoy learning about things that are in the real world around me.



What is Science all about?

In Year 9 Science, students analyse how models and theories have developed over time and discuss the factors that prompted their review. They evaluate the evidence for scientific theories that explain the origin of the Universe and explain how similarities in the chemical behaviour of elements and their compounds and their atomic structures are represented in the way the periodic table has been constructed, and use this to explain natural radioactivity in terms of atoms and energy change. Students investigate the interconnected nature of the body's main systems and use the concepts of voltage and current to explain the operation of electric circuits and the field model to explain interactions between magnets.

What skills will I develop?

- Develop aims and questions, formulate hypotheses and make predictions
- Plan and conduct investigations
- Generate, collate and record data
- Analyse and evaluate data and investigation methods
- Construct evidence-based arguments and draw conclusions
- Analyse, evaluate and communicate scientific ideas

What type of things will I do?

Term 1: Electricity & Magnetism

Term 2: Body Systems

Term 3: Atoms

Term 4: Space

How am I assessed in this subject?

- Electrical safety video
- Scientific communication piece
- Persuasive argument relating to nuclear power
- Space storybook



Possible Pathways

Year 10	Science
Year 11/12	VCE Biology VCE Chemistry VCE Physics VCE Psychology

Humanities

Why choose this subject?

- ☐ I want to learn about the world that we live in.
- ☐ I enjoy learning about topics that are relevant to my future, like how to vote or job availability.
- ☐ I like to learn about the global challenges that need to be solved.



What is Humanities all about?

In Humanities, students examine the world they live in and ask questions about the past, present and future.

- In History, students learn about the causes and consequences of the Industrial Revolution and the making of modern Australia.
- Civics and Citizenship focuses on the political and legal systems of Australia and analyses how the values of democracy and fair process are present within it.
- Students then explore the distribution of natural systems in Geography and consider how the environment affects and is affected by human activity.
- Finally, Students examine Australia's role in the global economy and analyse the forces that will shape the their future workplace.

What type of things will I do?

- History: Making of modern Australia. Industrial revolution and the making of modern Australia.
- Civics and Citizenship. Australian political and legal system.
- Geography. The interconnection between humans and the environment and threats to sustainability.
- Business. Australian economy and the future of the workplace.

What skills will I develop?

- How to analyse historical sources and discuss historical significance.
- Explain and analyse Australia's political and legal systems.
- Explain the distribution of biomes and discuss environmental change and its impacts on future sustainability.
- Examine Australia's role in the global economy and research the ways employment is changing in Australia.

Possible Pathways

Year 10	Year 10 Humanities
Year 11/12	VCE Legal Studies VCE Business Management. VCE Modern History

How am I assessed in this subject?

- Historical inquiry.
- Case analysis oral presentation.
- Environmental change and management assessment.
- My work future.

Health and Physical Education

Why choose this subject?

- ☐ I like learning new skills in a variety of different sports.
- ☐ I enjoy having a go at new sports.
- ☐ I want to learn about respectful relationships and why they are important.



What is HAPE all about?

HAPE is a Health and Physical Education core subject. There is one session of Health and one session of Physical Education per week, and an additional session of Physical Education every alternate week. Physical Education is a practical based session with a focus on participation in a variety of major and minor games. You also partake in a range of excursions each year including Wheelchair Basketball and Squash/Racquet Ball. Health introduces students to topics such as mental health, lifestyle diseases, relationships, sexuality and physical health. Students will analyse support services, critique strategies to enhance health with a focus on Respectful Relationships.

What skills will I develop?

- Understanding of the different types of risks for young people
- Strategies for harm minimisation
- Understanding of what a healthy / respectful relationship looks like
- Knowledge of the different dimensions of health
- Understanding of the different types of Health services in our community and how they can be improved.
- Identifying barriers to health
- Identify aspects of wellbeing

What type of things will I do?

- Fitness Testing
- Learn New Sports
- Play Games
- Health Units

Health Units:

- Term 1- Risky Business
- Term 2- Respectful Relationships and Identity
- Term 3 - Community Health
- Term 4 - Wellbeing

How am I assessed in this subject?

There are 4 assessments throughout the year, across different mediums, including but not limited to:

- Multimedia Presentation
- Multiple choice questions
- Short answer response
- Research Projects
- Inquiry Projects

Possible Pathways

Year 10	Year 10 HAPE Year 10 SEED
Year 11/12	VCE Health and PE VCE Sport and Rec VET VCE Health

SEED

Why choose this subject?

- ☐ I like the opportunity to explore a sport I enjoy.
- ☐ I want to obtain new skills from professional coaching.
- ☐ I enjoy building relationships with my peers and with new staff members.

What is SEED all about?

In Year 9, students may apply for the SEED (Sport Empowerment, Education and Development) program which runs as an elective subject for the whole year. Some students have been identified through the Year 7 & 8 SEED programs (SEED ASCEND and SEED Sport) and encouraged to apply in Year 9. Other students can apply through a keen interest in a particular sport or a pathway in the Health/PE/Sport industry.

What skills will I develop?

The SEED program in Year 9 aims to provide students with the opportunity to:

- Enjoy both sporting and academic success.
- Experience expert coaching and skill development.
- Develop positive relationships with students, staff and the NBC and local communities.
- Develop self-esteem and self-confidence through positive sporting experiences.
- Develop lifelong physical activity habits.
- Access leadership opportunities.
- Experience a variety of sporting opportunities through access to local clubs, coaches and facilities.

What type of things will I do?

- Year 9 & 10 SEED students participate in 2 sessions of specialist coaching in one of the sports offered each Wednesday for the year. The sports in 2024 were Basketball, Volleyball, AFL, Cricket, Netball, Badminton and Soccer. (The focus sports can change from year to year or Term to Term based on student interest).
- Year 9 SEED students will also complete one session every fortnight that focuses on theory or practical related to improving athletic performance.

How am I assessed in this subject?

SEMESTER 1 –

- Participation in SEED Coaching and Fitness Session
- Semester 1 Assignment

SEMESTER 2 –

- Participation in SEED Coaching and Fitness Session
- Fitness Portfolio



Possible Pathways	
Yr 10	Year 10 SEED
Yr 11/12	VCE Physical Education VCE Health Sport and Rec VET

IMPACT

Why choose this subject?

- ❑ Passionate about the Arts and eager to work with industry professionals.
- ❑ Enjoys hands-on projects and creative opportunities.
- ❑ Interested in contributing to the design of the IMPACT curriculum for 2026.
- ❑ Keen to experience shows and exhibitions like Beetlejuice and Harry Potter.



What is IMPACT all about?

IMPACT (Inspiring Musicians, Performers and Artist to Create Together) strives to provide our students with opportunities to explore a rich arts education with creative classes in music, drama, dance, media, and visual Arts, and that are taught by experts in an Arts field. The particulars of the program, will be driven by student voice and will change according to the students participating. Through Year 9 IMPACT, we will strive to further inspire students to hold the arts in the highest regard, and to be actively involved in their education through creative inquiry and embracing ideas together and exploring pathways that will lead into VCE arts subjects.

What skills will I develop?

- Creativity and Imagination
- Problem Solving
- Critical Thinkers
- Communication
- Emotional Development
- Collaboration and Teamwork
- Perseverance and Patience

What type of things will I do?

- Engage in hands-on projects as part of a student-developed curriculum exploring various areas of the Arts.
- Collaborate with industry professionals and participate in workshops.
- Work as a team on a performing arts piece, guided by a director and artist.
- Create and perform a puppet show for Children's Week in October.
- Develop artistic skills that help students learn more about themselves.
- Attend live performances to explore areas of personal interest.

How am I assessed in this subject?

- Maintain portfolio reflections and documentation of work.
- Participate in a performance.
- Create a puppet show and run workshops for Children's Week.
- Engage in activities and assessments based on chosen topics.



Possible Pathways

Yr 10	Year 10 IMPACT
Yr 11/12	VCE Drama VCE Visual Arts Music VET VCE Media

Beyond Borders

Why choose this subject?

- ❑ I enjoy learning about different countries, cultures and the importance of tourism.
- ❑ I want to understand how the sustainability of a place helps me reflect on my actions towards it.
- ❑ I want to learn about the countries I like and want to visit in the future.



What is Beyond Borders all about?

Time to get out of our bubble, to start looking beyond Australian borders and explore the world. Beyond Borders is a Humanities elective where students investigate global destinations. Through the lens of tourism, students will learn to better understand the culture, history and environments of different tourist destinations that inspire our interest in these locations. Students will analyse the impact of tourism, including businesses that have been established to capitalise on the human desire to see the world.

What skills will I develop?

- Identify characteristics that make a place a holiday destination.
- Analyse data, maps, and geographical information to make predictions.
- Examine environmental changes caused by human actions.
- Explore the economic and environmental impacts of tourism on people.
- Develop IT skills, including website creation, digital design, and presentations.

What type of things will I do?

- The reasons why we travel - looking at case studies, food tastings, creating surveys
- The impact of global tourism - looking at case studies around the economic, environmental and socio-cultural impacts of tourism and what businesses and tourists can do to minimise those impacts

How am I assessed in this subject?

- Travel website
- Tourism sustainability project

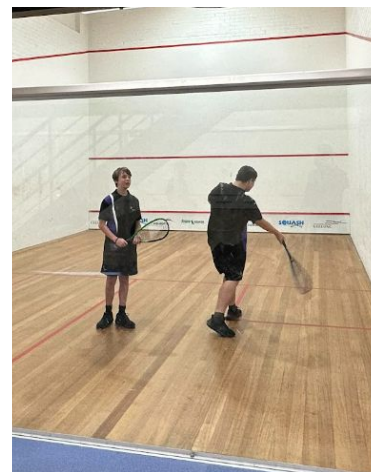
Possible Pathways

Possible Pathways	
Year 10	Humanities, Foods of the World, Food Trends, Outdoor Ed, Media Photography
Year 11/ 12	Business Management, Legal Studies, Food Studies, Media, Psychology, Outdoor Ed
VM	Certificate III in Screen and Media

Recreational Sport

Why choose this subject?

- ☐ I like to play fun sports like squash, frisbee golf and golf.
- ☐ I enjoy staying active in a relaxed, non-competitive way.
- ☐ I want to learn why physical activity is important for my health.



What is Rec Sport all about?

Recreational Sports – Lifelong Sports In this elective students participate in recreational activities that are available to be enjoyed through an entire life-span. No matter the age or fitness level, these activities are inclusive of all. The skills and strategies involved in playing these activities and sports are transferable across a range of sports.

What type of things will I do?

Some of the activities played include lawn bowls, bocce, mini-golf, badminton, yoga, dance and a whole lot more. Student voice and agency is paramount to the decision making of the activities played throughout the semester. This practical based subject will also incorporate coaching, leadership and teamwork skills.

Life-long Ball Games – Students select from a range of ball related games such as Ten Pin Bowling and Lawn Bowls, racquetball, mini golf that are suitable for people of all ages and skill levels

Body Moving – Students participate in a range of activities such as Dance, Yoga, basic low impact fitness activities like Spin bikes and body weight circuits that can be done throughout the human lifespan

What skills will I develop?

- Basic Fitness and movement skills
- Applying fundamental movement skills to new situations
- Video Analysis Skills
- Teamwork and Cooperation
- Journaling



How am I assessed in this subject?

- Skill analysis and peer coaching task
- Practical Participation
- Activity Journal

Possible Pathways	
Year 10	Year 10 Fashion Design
Year 11/12	VCE Product Design & Technology VCE Creative Practice

*There is an additional cost involved in this subject

Outdoor Ed

Why choose this subject?

- ❑ I like to learn through hands-on experiences like hiking, surfing and kayaking.
- ❑ I can challenge myself outdoors and like to discover new adventures.
- ❑ I like to build teamwork on fun camps and trips.



What is Outdoor Ed all about?

At Year 9, Outdoor Education is a fully inclusive program that will teach important life skills, and allow students to take responsibility for their goals. Student voice and agency will be used to guide excursions and activities as students develop their connection with outdoor environments.

To be successful students must develop a skill (3 months), take the time to volunteer in their community (3 months), engage in physical recreation (3 months) and complete an adventurous journey in an outdoor environment with their peers.

What skills will I develop?

- Leadership skills
- Organisation skills
- Independence skills
- Communication skills
- Initiative skills
- Team Building Skills

What type of things will I do?

- Practice bush cooking skills
- Go on hikes
- Go on overnight Camps

How am I assessed in this subject?

- Practical Participation
- Group tasks
- Reflection/Presentations



Possible Pathways

Year 10	Year 10 Outdoor Ed (Cert II Outdoor Rec)
Year 11/12	VCE Outdoor & Environmental Studies (Unit 1 & 2)

*There is an additional cost involved in this subject

**Students are expected to attend all overnight camps

Media

Why choose this subject?

- ❑ I enjoy making videos and being creative with storytelling
- ❑ I like editing, filming, and using digital tools
- ❑ I want to learn how movies, trailers, and posters are made
- ❑ I enjoy working in groups to plan and produce creative projects



What is Media all about?

In Year 9 Media, you'll step behind the camera to explore how film, photography and digital storytelling work. You'll learn how to shoot scenes using professional camera angles, create your own movie poster using green screen photography, and produce videos like short films, music videos or trailers. Along the way, you'll discover how media shapes our world and how to make your own projects that look and feel just like the real thing.

What skills will I develop?

- Filming and taking photos with a camera
- Photo editing using Photoshop
- Video editing including cuts, transitions, sound and effects
- Working creatively and collaboratively with others

What type of things will I do?

- Create and edit your own movie poster
- Film scenes using professional camera equipment
- Make a short film, trailer or music video
- Plan your own project

How am I assessed in this subject?

- Practical projects like video scenes and edited posters
- Group production work
- Pre-production documents and storyboards



Possible Pathways	
Year 10	Media Photography
Year 11 /12	Media

Music

Why choose this subject?

- ☐ I want to learn how to play an instrument
- ☐ I already play an instrument and I want to improve
- ☐ I want to be part of a School Band



What is Music all about?

Students select a program of group works and develop skill on their chosen instrument while learning how to play this program in ensemble.

Instrument choices are guitar, bass, and voice, with some limited access to drumkit. In addition to developing skill on their chosen instrument, students develop the ensemble rehearsal technique that sets a foundation for further music performance study during senior years.

Students also learn how to compose music using electronic sequencing software and analyse and reflect on music across a range of genres. Skills you will develop

What skills will I develop?

- Performing music as a member of a group
- A practical understanding of music theory in contemporary music
- Aural skills in the recognition of pitch, rhythm, texture and timbre
- Collaborative approaches to making musical compositions

What type of things will I do?

- Play a Musical Instrument
- Learn to play a variety of music
- Take part in school performances

How am I assessed in this subject?

- Practical



Possible Pathways

Year 10	Music Instrumental Extra Sessions
Year 11/12	VET Music

Visual Art

Why choose this subject?

- ❑ I enjoy being creative and expressing ideas through art
- ❑ I like using a variety of materials like paint, pastels, and collage
- ❑ I want to improve my drawing and painting skills
- ❑ I'm interested in learning how famous artists create their work



What is Visual Art all about?

In Year 9 Visual Art, you'll explore a wide range of art styles, techniques, and materials. From oil pastel, portraits and surrealist collages to landscape painting and still life drawing, this subject is all about learning by doing. You'll take inspiration from famous artists like Van Gogh, and build confidence in your own creative ideas while learning how to plan, experiment, and reflect on your work.

What skills will I develop?

- Drawing and painting using different materials and techniques
- Understanding and applying the Elements and Principles of Art
- Researching and reflecting on famous artists and their styles
- Building a visual diary to track ideas and experiments
- Developing drawing skills

What type of things will I do?

- Create drawings, paintings, collages and sculptures
- Explore materials like acrylic paint, watercolour, oil pastels and clay
- Plan and paint your own artwork on canvas
- Keep a visual diary of sketches, reflections, and artist research

How am I assessed in this subject?

- Practical artworks and tasks
- Visual diary with all art activities and reflections
- Artist research task



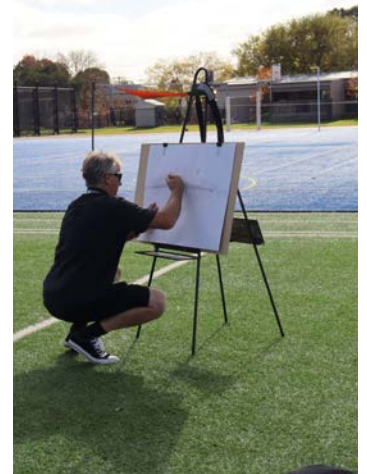
Possible Pathways

Year 10	Visual Art
Year 11/12	Art creative practice

Visual Communication and Design

Why choose this subject?

- ❑ I enjoy drawing, designing, and coming up with creative ideas
- ❑ I like working with colour, shapes, and typography
- ❑ I'm interested in logos, posters, product packaging and advertising
- ❑ I want to learn how design can influence and communicate ideas



What is VisCom all about?

In Year 9 Visual Communication Design, you'll explore how designers use shapes, colour, type and layout to create eye-catching products and messages. You'll create exciting projects like expressive typography, packaging for a Slurpee cup, and even your own poster or sticker. VCD is all about using drawing and design to communicate ideas visually.

What skills will I develop?

- Using the Elements and Principles of Design to improve your work
- Developing and refining design ideas through sketching and brainstorming
- Building a folio that shows your design thinking and creativity
- Completing a full design process from research to final product

What type of things will I do?

- Design your own posters
- Create a Slurpee cup with professional packaging design
- Make a final design that shows off your design skills

How am I assessed in this subject?

- Folio tasks that show your skill development
- Final projects like the Slurpee cup and poster
- Research, sketches, and reflection in your visual diary

Possible Pathways	
Year 10	Visual Communication and Design
Year 11/12	Visual Communication and Design



Jewellery Making

Why choose this subject?

- ☐ I enjoy being creative.
- ☐ I like to make and create things with different materials.
- ☐ I like to challenge myself by trying new things.



What is Jewellery Making all about?

A new subject offered exclusively at Northern Bay College, Year 9 Jewellery and Accessory Making allows students to express their creativity. They will design and create personalised, handmade jewellery and accessories, finishing the course with unique items to keep. Students will experiment with materials such as textiles, resin, and clay, while learning about safe and sustainable practices. They will document their design and production process in a folio, developing both creative and critical skills. The course also teaches them how to apply their knowledge to start their own small business.

What skills will I develop?

- Product design health and safety knowledge
- Sustainable practices
- Applying the design process
- Technical drawing skills
- Practical skills in transforming materials into functional products

What type of things will I do?

- Experiment with different materials.
- Follow the design process.
- Make a variety of jewellery and accessory pieces.

How am I assessed in this subject?

- Research Tasks
- Product Folio and Production

Possible Pathways

Year 10	Year 10 Fashion Design
Year 11/12	VCE Product Design & Technology VCE Creative Practice



Textiles

Why choose this subject?

- ☐ I like to be creative.
- ☐ I enjoy doing hands on learning.
- ☐ I am interested in learning how to sew or develop my current sewing skills.
- ☐ I enjoy designing and creating my own clothes.



What is Textiles all about?

Students will gain valuable life skills by learning how to use a sewing machine and basic construction skills. They will get to experiment with different fabric manipulation techniques, then apply their knowledge and new skills to design and construct a laptop sleeve, and upcycle an existing textile item into a functional, redesigned product. Alongside practical work, they'll study fabric and fibre properties and essential fashion design principles. Through these activities, students develop transferable skills including problem-solving, critical thinking, accuracy, planning, evaluation, collaboration, and patience!

What skills will I develop?

- Understand and apply the product design process.
- Use textile materials, tools and processes to assemble your own design.
- Apply learnt knowledge of different fabrics and fibres.
- A novice level over a range of different textile crafts.
- Understand how a pattern is used to create textile products.
- Safety knowledge and practices related to the Textiles Industry

What type of things will I do?

- Understand and apply the product design process.
- Use textile materials, tools and processes to assemble your own design.
- Understand how a pattern is used to create textile products.

How am I assessed in this subject?

- Practical activities and exercises
- Design Folio



Possible Pathways	
Year 10	Year 10 Fashion Design
Year 11/12	VCE Product Design & Technology VCE Creative Practice

Applied Computing and Design

Why choose this subject?

- ☐ I enjoy learning coding and developing web pages
- ☐ I like to learn using application software tools
- ☐ I like to know about computer and Networking hardware
- ☐ I like to challenge myself by trying new things.



What is Applied Computing and Design all about?

Students will:

- Learn about key aspects of digital systems.
- Explore hardware components and their role in a computer system.
- Learn algorithms and programming using a range of coding tools such as Python.
- Learn to use HTML coding and Google Sites to design and develop websites.
- Use EV3 Lego Robotics to design and build projects.

What skills will I develop?

- Problem Solving Skills
- Develop an innovative solution using appropriate digital systems
- How to design and run a program
- Identify, select and extract relevant data

What type of things will I do?

- I will learning coding and developing web pages
- I will learn using application software tools
- I will learn about computer hardware and software

Possible Pathways	
Year 10	Year 10 Applied Computing and Design
Year 11/12	VCE Applied Computing VCE / VET Information and Communications Technology

How am I assessed in this subject?

- A folio of exercises or software solutions
- A presentation (oral, multimedia, visual) to present findings
- A written report
- an annotated visual report
- A case study with structured questions

What's Cooking?

Why choose this subject?

- ❑ I want to learn a variety of cooking techniques/methods
- ❑ I want to build my confidence in preparing everyday meals and snacks from scratch
- ❑ I want to gain practical experience that sets me up for cooking at home or part time work in a kitchen



What is “What’s Cooking?” all about?

In this elective students will work individually and in pairs to produce a variety of food products and meals based on developing their skills and knowledge of everyday food. By preparing nutritious family meals and products students will develop an understanding of ingredients, tools and equipment used and the presentation and serving of food. Students will be introduced to appropriate cooking terminology and Australia Dietary Guidelines. Through this the students will be able to identify correct safety and hygiene practices in food preparation.

What skills will I develop?

- Prepare and cook food safely & hygienically
- Various cooking skills such as cutting, mixing.
- Cooking methods
- Time management and teamwork

What type of things will I do?

- Practical session every week cooking a variety of different dishes
- Work collaboratively with others in the kitchen
- Prepare dishes from start to finish to be able to eat or take home

How am I assessed in this subject?

- Practical activities

Possible Pathways	
Year 10	Year 10 Foods of the World
	Year 10 Food Trends
Year 11/12	VCE Unit 1-2 VCE Unit 3-4 VET Hospitality



The Art of Cooking

Why choose this subject?

- ❑ I want to develop skills in plating, styling and creatively presenting food
- ❑ I want to prepare and decorate celebration foods such as cakes
- ❑ I want to combine creativity with cooking to create dishes that look as good as they taste



What is the Art of Cooking all about?

In this elective students are introduced to food as an art. Students develop skills in preparing, cooking and presenting food in creative ways. They work individually and in pairs to develop an understanding of ingredients, tools and equipment used in the making, decorating and presenting of a variety of foods including cakes, biscuits and savoury dishes. Students will be introduced to design briefs and will study sensory analysis in greater detail. The work is based on identifying correct safety and hygiene practices in food preparation.

What skills will I develop?

- Prepare and cook food safely & hygienically
- Various cooking skills such as cutting, mixing.
- Cooking methods such as baking
- Time management and teamwork

What type of things will I do?

- Practical session every week cooking a variety of different dishes
- Work collaboratively with others in the kitchen
- Prepare dishes from start to finish to be able to eat or take home

How am I assessed in this subject?

- Practical activities

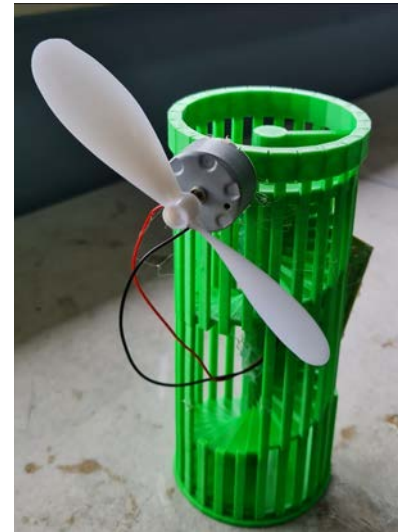
Possible Pathways	
Year 10	Year 10 Foods of the World
	Year 10 Food Trends
Year 11/12	VCE Unit 1-2 VCE Unit 3-4 VET Hospitality



Systems Engineering

Why choose this subject?

- ❑ I like to be creative and make things that I can keep and take home.
- ❑ I enjoy learning soldering and making electronic gadgets
- ❑ I want to learn how systems work.



What is Systems Engineering all about?

In Systems Engineering, students will learn about the science and technology of mechanical and electronic systems in a hands-on capacity. They will investigate how these systems work and are incorporated into complex systems used throughout modern societies. In addition students will employ a design thinking approach to investigate problems, generate solutions, and construct devices using a range of manufacturing techniques. They will use hand tools, including soldering equipment, and learn about advanced manufacturing techniques such as computer-aided design, 3D printing, and computer-aided machining

What skills will I develop?

- Problem Solving Skills
- Explain, using appropriate engineering terms, how mechanical systems function
- identify and document the problem, need, opportunity or situation
- research, design and plan the operational integrated and controlled system
- Identify, select and extract relevant data

What type of things will I do?

- I will learn soldering
- Making electronic gadgets
- I will do Robotics
- Arduino based circuits

How am I assessed in this subject?

- Production work to create a mechanical or electro-mechanical system.
- Practical demonstrations
- An oral presentation.

Possible Pathways

Year
11/12

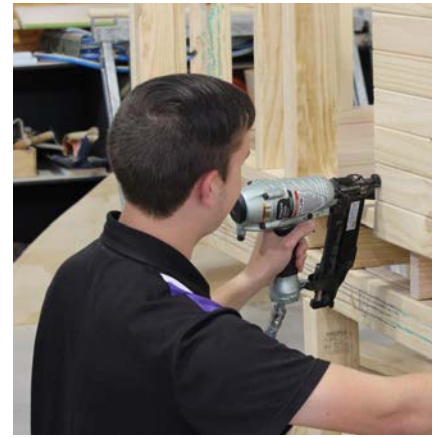
VCE Systems Engineering
VCE / VET Engineering



Woodwork

Why choose this subject?

- ❑ Woodwork in Year 9 teaches useful and creative hands-on skills.
- ❑ You'll learn to use tools safely and build things from wood.
- ❑ It helps you get better at solving problems and paying attention to detail.
- ❑ It's a fun break from desk work and can lead to jobs in design, building, or engineering.



What is Woodwork all about?

Students develop and consolidate technical skills to enhance wood working techniques. At the end of this unit students should be able to design process to develop product ideas. Students will prepare a design gaining an understanding of its importance in building and construction. Students must demonstrate awareness of occupational health and safety issues in the workshop to select and use techniques and equipment appropriate for a task. Students will then evaluate the final outcome produced.

What skills will I develop?

- Effective communication
- Occupational Health and Safety requirements
- Various hand tools skills and usage
- Effective use of measurement

What type of things will I do?

- Build a box
- Build a chair

How am I assessed in this subject?

- Practical - ongoing

Possible Pathways	
Year 10	<ul style="list-style-type: none">• Year 10 Woodwork
Year 11/12	<ul style="list-style-type: none">• VET in schools• Apprenticeships



Automotive

Why choose this subject?

- ❑ With Mr Hunton joining as the new teacher, Year 9 Automotive is a great way to learn how cars work.
- ❑ You'll gain hands-on experience with tools and skills like basic car maintenance and engine knowledge.
- ❑ It's a fun, practical subject that prepares you for future independence or a career in the automotive industry.



What is Automotive all about?

In this elective, students will begin to get an understanding of the systems and design techniques used on modern vehicles. Students will learn concepts about how a mechanical engine operates and look at how to repair a small engine and then test and evaluate the engine by using it. Students will be assessed on attitude, participation, research skills and their demonstration of safe and effective work practices in a team environment. Students will learn how to identify common faults in vehicles like their family car, how to safely operate workshop tools, check tyre condition and safely change a tyre with correct tools and confidence and learn the common pre-drive checks before using a vehicle on a weekly basis.

What skills will I develop?

- Develop an understanding of how an engine works through theory and practical applications.
- Safely operate in a workshop environment.
- Skills that will prepare for the daily challenge of operating a motor vehicle.

What type of things will I do?

- Common vehicle safety checks.
- Safely operate hand and power tools related to the automotive industry.
- Gain a basic understanding of engine servicing.

How am I assessed in this subject?

- Ongoing Practical assessment.
- Theory tasks related to practical tasks.

Possible Pathways	
Yr 10	<ul style="list-style-type: none">• Year 10 Woodwork
Yr 11 & 12	<ul style="list-style-type: none">• VET in schools• Apprenticeships

