

Northern Southland College



**2025 YEAR 9 & 10 OPTIONS
(FOR CURRENT YEAR 8 & 9 STUDENTS)**

Agriculture/Horticulture

This industry may be for you if you are interested in:

- ★ raising and working with farm animals
- ★ planting, growing, working with and harvesting plants including vegetables
- ★ working outdoors
- ★ driving tractors, motorbikes, and heavy machinery
- ★ doing physical work and working with your hands
- ★ working with tools, machinery and equipment
- ★ science and research

The programme is different each year and includes modules from the following possible topics:

- ★ Sustainable Soils - what is soil made up of and how does farming impact the most critical part of NZ agriculture
- ★ Pasture, pest and weed species
- ★ Animal Digestive Systems - compare ruminant (cow, sheep) and monogastric (horse, dog) digestive systems
- ★ Animal Reproductive Systems
- ★ Animal breeds
- ★ Growing plants from seed and caring for the garden
- ★ Fencing - learning basic knots
- ★ Biosecurity - looking at how NZ prevents diseases and pests entering the country and the impact of some which enter undetected
- ★ Animal Diseases/Zoonoses - diseases people catch from animals
- ★ Bees - the important part they play in NZ agriculture and horticulture

Design Technology

Year 9

This course will build on knowledge, skills and experiences gained in previous years. The students can work with a range of materials such as wood, metal and plastic. Students will learn about:

- ★ The safe use of machinery, hand tools and design
- ★ Test and make projects in response to a given issue using a well-defined technological process.

Other materials may be used depending on student preference and if time allows.

Year 10

This course is a practical approach to applying design skills and fabrication techniques to complete a Coffee Table. The student will be able to select the materials (metal, wood, plastics, glass etc.) that they work with based on the design they create. It will be a good introduction to Year 11 Design Technology. The course will build on the skills and techniques you have learned in Year 9. You will be encouraged to design and make more detailed projects using extensive tools and machines available in the workshop.

Digital Technologies

Programming with Python to Operate Drones

Do you think you're smarter than a computer? Well, in this course we will find out. We will learn the fundamentals of programming and use these fundamentals to take robotics to the next level using Drone technology and learning how to code the drones to perform different manoeuvres in the sky.

Photo Manipulation

Want to use photo editing software to make your own digital art then photo manipulation will be for you. You will use a range of tools available in the editing software Photoshop to cut and stylize images to make personalized name plates and a visual mihi.

3D Modelling and Printing

Do you want to learn how to design and develop your own 3D models using 3D modelling software or take your current skills in 3D modelling to the next level? Then 3D modelling is for you. You will also get to explore the process behind printing your own models, so you have a physical copy of your work to take home with you.

Create Cool Websites

Discover what HTML5 and CSS3 are, how they work, and how you can use them in order to build your first website from scratch!

Once you've learned the basics in HTML and CSS, you'll learn how to use more advanced techniques to create a multipage website and create a professional layout. With a final assignment showcasing- a website that benefits a company within the community.

Design and Visual Communication

Year 9

An introduction to design, formal drawing systems and informal drawing techniques, this course has been designed to cover a range of skills and understandings. Students will be introduced to Design and Visual Communication fundamentals including:

- ★ The Design Process
- ★ Freehand Sketching and Rendering
- ★ 2D & 3D Instrumental Drawing
- ★ Pictorial Drawing Methods
- ★ Model making

Year 10

The course at this level has been designed to follow and build on the skill and processes already covered in year 9. The programme of work uses design briefs that encourage students to seek individual, innovative solutions using visual literacy skills to record and communicate thinking in a variety of ways.

Enterprise Studies

Have you ever had a great idea for a business? Would you like to make some money from it? Opportunities abound in Enterprise Studies for you to do just that.

In this course, students will:

- ★ Identify traits common among entrepreneurs
- ★ Learn how to think creatively to add value to products
- ★ Work in teams to create and promote a product
- ★ Sell that product at Market Day!

Market Day is the culmination of all your hard work. As Tom Cruise said in the movie - Jerry Maguire - SHOW ME THE MONEY!! You'll be saying this a lot on Market Day.

Fashion and Textiles Technology

Students will develop their knowledge, understanding and practical skills through the study and use of fabrics and textiles.

This course will be an introduction to the design process, sewing machine skills and the construction of clothing and craft items. It will include:

- ★ Fashion drawing
- ★ Patternmaking
- ★ Upcycling

Students will have the opportunity to experiment with fabric manipulation through:

- ★ Fabric painting & stencilling
- ★ Machine embroidery
- ★ Silk screen printing
- ★ Applique
- ★ Tie dying

Some exciting projects students will do are:

- ★ Oversized Hoodie or regular hoodie
- ★ Memory toys
- ★ Sew for charity

Food Technology

Are you the next Jamie Oliver..... or Chelsea Winter? During the last few years, we have all been reminded again of the importance of being able to cook ourselves good, nutritious food using the ingredients that we have on hand. As part of a two-year cycle, students will develop their practical food handling skills, while learning about the benefits of making healthy food choices.

Topics that we will cover include:

- ★ **“Pastry Chef”** - learn and experiment with making different kinds of pastry and pastry products. Express your creative side by designing your own signature Chocolate Eclair!
- ★ **“Brekkie on the Go”** - learn about the importance of eating a good breakfast. Create and produce a new on-the-go breakfast product.
- ★ **“Fast Food”** - make your own versions of popular takeaway foods and investigate how good nutrition can help your performance in a sport or physical activity of interest to you.
- ★ **Year 10** - Students taking this course may be offered the opportunity to complete a Level 1 Hospitality Unit Standard.

French

In the world we live in, speaking more than one language is looked upon very favourably. Not only this, but learning another language enriches the mind and opens new possibilities - both personal and professional.

- ★ More than 220 million people speak French. It is the only language (along with English) spoken on five continents.
- ★ French is an official language of the United Nations, the European Union, UNESCO and other international organisations.
- ★ French is an easy language to learn as it shares a large vocabulary with English. As you learn French, you will significantly improve your English vocabulary and enhance your grammar skills.
- ★ French Food is pretty awesome - we celebrate this with a French Feast!

Māori

The curriculum acknowledges the principles of the Treaty of Waitangi and the bicultural foundations of Aotearoa New Zealand. All students can acquire knowledge of te reo Māori me ōna tikanga.

This class will be based around the concepts of ‘ako’ (where the teacher and the students learn from each other) and ‘tuakana - teina’ (where an older or more expert tuakana guides a younger or less experienced teina).

During this course you will learn:

- ★ basic conversational te reo Māori
- ★ traditional Māori games
- ★ Mihi and pepeha
- ★ Whakatauki
- ★ Kapahaka and performance from an outside provider

Languages

There may be an option to do a language other than Māori or French. These will be studied through Te Kura and will be offered on a case-by-case basis.

It will be important that students are able to manage their time as this will be self-directed, online learning.

Performing Arts (Music/Drama/ Film)

This is an integrated course for students who have an interest in music, drama, film, or dance. Students will gain confidence in their performance and work collaboratively. Theme based units will include:

- ★ Understanding the social and historical context of a musical or dramatic work
- ★ Using Garageband to create and modify music
- ★ Music Theory skills and understanding song structure
- ★ Using iStopMotion, iMovie and Canva to create short movies
- ★ Elements of drama
- ★ Theatre sports & educational drama games as warmups and acting tools
- ★ Dance techniques and elements of dance

The course will involve a mixture of practical and theory with an overall emphasis on performance and practical acting skills.

Visual Arts

The arts enable students to generate ideas about themselves, their experiences, their environments, and to express and communicate them in a variety of artistic forms.

Students will develop a range of skills and techniques through the use of various media and art practices:

- ★ Drawing
- ★ Painting
- ★ Printmaking
- ★ Design
- ★ Sculpture

New Zealand and International artists are studied to help understand different techniques and styles of Art.

Some of the exciting units of work students will do are:

- ★ Mixed media collage
- ★ Portraiture
- ★ Art Journaling
- ★ Reduction Woodblock printing
- ★ Clay sculpture