

Northern Southland College



2026 YEAR 9 & 10 OPTIONS

Agriculture/Horticulture

This course 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

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 is 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

Drone Programming

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.

Image Manipulation

If you want to use photo editing software to make your own digital art then Image manipulation will be for you. You will use a range of tools available in photo editing software to manipulate and style images to create professional posters.

Web Development

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.

Human Computer Interaction

Human-Computer Interaction is a topic where we look at the different ways humans connect with technology. It's built on 10 simple rules that explain what makes tech clear, safe, and enjoyable, like showing you a progress bar so you know what's happening or stopping you from deleting something important by mistake. By exploring these rules, we get to uncover the "secret recipe" behind smooth, user-friendly websites, games, and apps.

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 skills 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
- ★ Upcycling
- ★ Patternmaking

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

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

Some exciting projects students will do are:

- ★ Oversized Hoodie or regular hoodie
- ★ Craft item - such as a cushion, toy or bag

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:

- ★ **“A Piece of Cake”** - learn about the different methods used to make cakes and biscuits and practise these in a variety of recipes. Express your creative side by designing your own signature Belgium Biscuit!
- ★ **“Food Safety in the Outdoors”** - learn more about keeping food safe and investigate how you can do this in an outdoor setting (fishing, hunting, tramping etc) that you are interested in.

- ★ **“Food Around the World”** - experiment with making foods from a variety of other cultures. Investigate the food culture of another country in detail and prepare and present a dish for our International Buffet lunch.
- ★ **Year 10** - Students taking this course may be offered the opportunity to complete a Level 1 Hospitality Unit Standard.

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.

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

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!

Performing Arts (Drama/Music/Dance)

Be creative and express your artistic identity in Performing Arts. This is the perfect option for students who want to build confidence, collaborate with peers, and explore their passion for drama, music and dance.

What students will do:

- ★ Build self-confidence and teamwork skills through improvisation and theatre sports
- ★ Master the art of storytelling by developing original characters, scenes, and dramatic elements
- ★ Choreograph and perform dance pieces, drawing inspiration from diverse global and New Zealand forms and contemporary artists
- ★ Learn essential music theory and song structure, then use GarageBand to compose, record, and perform their own songs
- ★ Understand how historical conventions, from the use of masks in ancient theatre to the comedic timing of slapstick, continue to influence modern performance
- ★ Apply their skills in a series of performances, celebrating their creative journey with peers

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