

YEAR 9 FUTURE MAKERS – An Overview

Welcome to Year 9 Future Makers, the Year 9 program operating at Rutherglen High School. You will have the opportunity to participate in many activities that you may not have experienced previously. So enjoy the ride and welcome to Year 9. During the year you will complete the following subjects:

English
Mathematics
Humanities
Science
Future Makers
Physical Education/Health
Sport
Project/Create (Electives)

Some of these subjects you will be familiar with, others will be completely new to you. More information will be provided on each subject later in the handbook, but broadly each of these subjects involve:

English: Students complete a number of units across the English strands - Speaking and Listening, Reading and Writing. Students study a series of theme based texts, complete a film study as well as writing and oral tasks. Students will rotate through teachers depending on the task. This subject runs for the entire year.

Mathematics: Students will be blocked in Mathematics which allows for ability grouping and rotation where required. This subject runs for the entire year.

Humanities: Students will complete a series of Humanities based units across the areas History, Geography, Economics and Business and Civics and Citizenship. This subject runs for the entire year.

Science: Students complete a series of Science electives in this subject. Some of the traditional Science units such as Biology, Chemistry and Physics will be combined with other electives. This subject runs for the entire year.

Future Makers: Students will also have the opportunity to work on projects such as a Core Project, New Skill and Community Service. This subject runs for the entire year.

Physical Education/Health: Students have the option of completing same sex or mixed Physical Education. This subject runs for the entire year.

Sport: Students will select from Sport electives that are offered throughout the year.

Project/Create (Electives): Students experience a taste of the Arts and Technology subjects. Each subject within this block runs for a semester. Students are encouraged to complete an elective from both Art and Technology areas throughout the year.

OTHER IMPORTANT INFORMATION

Library

Our well-equipped Library caters for student research and reading needs. We have nearly 22,000 educational resources plus 15 computers with Internet access.

The Library operates before and after school. Students can also access the library during class time and at lunch times from 1.00 - 1.30 pm. At any one time, year 7 - 10 students are able to borrow 3 Fiction and 3 Non-fiction books and VCE students are able to borrow 3 Fiction and 5 Non-Fiction books. The Library co-ordinates an "Information Skills" teaching program, which teaches students to access sources of information, to make notes, compile bibliographies and much more. We have a very active fiction promotion scheme and a Triple R Club for parents and students. We look forward to resourcing your students' reading and research needs and to teaching students to become independent researchers and readers.

Daily Bulletin

A Daily Bulletin is put up on the Notice boards and on the school homepage before school each morning. Students must read the Daily Bulletin each morning. The Bulletin contains items of information concerning special events, assemblies, changes of schedule and duty rosters. Teachers and students may contribute news items.

Absences

Please refer to the Rutherglen School Attendance Policy.

Rutherglen High School has an automated absence line. Please contact this number if your son/daughter is going to be absent. **60329483**

During school hour's students are not permitted to leave the school grounds. A student needs to obtain a lunch pass if they do wish to go home for lunch. Should the need arise to return home during school hours a note must be given to the General Office.

Under no circumstances are students to leave the school grounds without notifying the General Office.

Computers

The school has a number of computers available for student's use. They are widely used during class time and are also available for use during some lunch times. Students are responsible for maintaining the secrecy of their access codes and are responsible for all computer use via their access codes.

Students are expected to treat the computers and associated equipment with due care. No food or drink is to be taken into the room and chairs must be placed back in the correct positions. Please refer to the Rutherglen High School Computer Policy.

Online Technology

Students will be allowed to have access to the Internet and are provided with an E-mail address. A set of rules governing the acceptable use of online technology is issued at the commencement of the year.

Incorrect use may result in loss of access. Students are required to sign an Internet Agreement when they commence at Rutherglen High School.

Lunch Rooms in Extreme Weather

Rooms are designated for student use on wet days and other days deemed necessary by the duty teacher.

Buses

All students must abide by the Code of Behaviour as stated in the relevant document issued to students and parents at the commencement of the year.

First Aid

Students who are sick or suffering from any injury must report to the general office. If students are in the sick bay for an extended period, the parents will be contacted and appropriate action will be taken.

FREQUENTLY ASKED QUESTIONS???

What costs are associated with the program?

There are some costs that are involved with the Year 9 Future Makers program. These depend on the activities that the student chooses to be involved with. Some of the main activities include:

Expected: Future Makers Camp and Program (\$250.00)

Optional: Steer Handling Royal Melbourne Show (\$280.00)

Optional: Torquay Surf Camp (250.00)

Various excursions (ranging from free to \$250.00)

The Year 9 Future Makers program has obtained funding which allows the school to heavily subsidise some events as this allows activities to run at the lowest cost possible. Grants can also be sought for individual projects that can help with the cost of projects and events.

What book levies apply to the program?

Students will require specialised books for some subjects or a handbook fee may apply. These will be printed on the book list that will be sent home with your child.

What if my child wants to change a subject?

Students can change subjects after negotiation with the Year Level Co-ordinator, teacher and parent. The student must approach the Year Level Co-ordinator. The cut off point for changing a subject is the end of week one of each Semester. **Each request will be assessed on a case-by-case basis.**

Can parents be involved in the program?

Parents are welcome to become involved in the Year 9 Future Makers program. At various times in the last two years parents have assisted in supervision of students and providing expertise or ideas for projects in which students can become involved. If you would like to become involved in some capacity with the program, feel free to contact the school on (02) 6032 9483.

What is expected of students in the program?

Students are offered more freedom and flexibility within the Year 9 Future Makers course, but with that comes extra responsibility. Students are expected to become involved in many of the events that are run throughout the year. Students are expected to take a leadership role in many of the projects, be prepared to work independently and show an awareness for the learning of others working throughout the school. Students are expected to see one of the Year Level Co-ordinators if they are encountering issues as this will help with the running of the program.

Are there any unsupervised activities?

At various times throughout the year students will be required to complete tasks without the direct supervision of staff. This may include walking to and from a venue or being at a venue under the supervision of community members. Permission letters will be sent home before the event if students are to be unsupervised in any of these situations. All community members assisting with events will have a Working With Children's check. **All students must sign in and out from the general office.**

FUTURE MAKERS – The Subject

This is a subject that operates unlike any other in Years 7 & 8. As part of the Future Makers subject, students will work independently throughout the year. The idea behind this subject is that students show initiative and responsibility for developing, planning, completing and reflecting on their projects. The teachers will deliberately take a ‘low key’ approach and will have limited involvement in the development of ideas and planning of projects. Students will also be given the opportunity to pursue projects they have an interest in whilst also completing a series of structured Community Service activities, New Skills and the Bogong Camp.

STRUCTURE OF SUBJECT

The structure of the subject is as follows:

Students receive certificates based on different levels of achievement throughout the year. These levels include **Platinum, Gold, Silver, Bronze, and Participation.**

Students complete a number of activities focussed on the following:

- Student Management
- Resilience
- Independence
- Learning styles
- Confidence and motivation
- Critical thinking/ reflection

Includes a 12-day Bogong Experience external to the school. It is an expectation that all Year 9 students attend. It forms an important part of the course.

POSSIBLE PROJECTS

Core Project: This is a project that is designed to be completed around the grounds at Rutherglen High School. The main focus of this project is that it must benefit Rutherglen High School in some way. Previous examples include:

- Painting MC1 and MC2
- Fixing Garden Beds
- Creating and Designing signs
- Establishing a veggie garden

New Skill Project: Students can pick something they wish to learn. It can range from a musical instrument to steer handling. Students can also use their other classes to complete this project.

Community Service: Students will actively help out around the community of Rutherglen. This includes helping at Glenview, Kindergarten and the local Primary Schools.

Other opportunities include

- Community Clean Up Days
- Alpine School
- Animal Nursery
- Presentation Night
- The Great Victorian Bike Ride
- Health Days
- Team building activities
- Assisting with the School Production
- Assisting the RSL

All of the above projects will require the students to complete a detailed reflection on what they have achieved throughout the year.

CHOOSING YOUR PROJECT/CREATE ELECTIVES

Please choose your PROJECT/CREATE electives in the following way:

You must rank them from 1-3. 1 Being your most preferred to 3 being your least preferred. You must do this for each block/colour and for each semester.

Please see the attached example.

It must be signed by a Parent/Guardian and returned to Mr Janissen no later than Wednesday November 20th.

Semester One PROJECT	Semester Two PROJECT
FARM	FARM
FOOD	FOOD
MUSIC	MUSIC

Semester One CREATE A	Semester Two CREATE A
WOODWORK - Furniture Construction	WOODWORK - Wood design
ART - Sculpture and Printmaking	ART - Drawing and Painting
TEXTILES - Fashion and Leisure Wear	TEXTILES - Patchwork/Crafts
Semester One CREATE B	Semester Two CREATE B
METALWORK - Introduction	METALWORK - Engineering
VCD - Architecture and Advertising	VCD - Movie Making and Photography
I.T - Introduction	I.T - Risk and Innovation

Year 9 Future Makers 2019

SELECTION SHEET (EXAMPLE)

Project		
Semester One	FARM	1
	FOOD	2
	MUSIC	3
Semester Two	FARM	3
	FOOD	2
	MUSIC	1

Create A		
Semester One	ART - Sculpture and Printmaking	2
	TEXTILES - Fashion and Leisure Wear	1
	WOODWORK - Furniture Construction	3
Semester Two	ART - Drawing and Painting	2
	TEXTILES - Patchwork/Crafts	3
	WOODWORK - Wood design	1
Create B		
Semester One	I.T - Introduction	1
	METALWORK - Introduction	2
	VCD - Architecture and Advertising	3
Semester Two	I.T - Risk and Innovation	1
	METALWORK - Engineering	2
	VCD - Movie Making and Photography	3

NAME:

Student Signature _____

Parent Signature _____

Date _____

PROJECT OPTIONS

Semester One

FARM:

Farm to Table is a subject designed to give students a realistic 'taste' of the operations carried out on a typical farm. Students are involved in all aspects from start to finish, or, 'From Farm to Table'. Students are involved in growing produce in the market garden, animal breeding and animal handling. Students complete Steer Handling at the Royal Melbourne Show as part of this subject

Areas covered as part of Farm to Table semester one include:

- Introduction to sheep
- Introduction to cattle
- Introduction to chickens and egg production
- Feeding and preparing steers—Melbourne Show
- Seasonal vegetables
- Pig Production

Assessment:

Students are assessed on their physical participation and contribution to the school's farm. They are also assessed on their bookwork where they must keep a journal of all planning and work done on a specified subject.

This subject will also involve completion of theory units related to various aspects of farming, however, students who select this subject must be prepared to complete the manual labour required.

FOOD:

In this unit students will focus on two areas: Healthy eating and foods from other cultures.

Students will investigate the relationship between nutrition and eating practices. They will study links between diet and current community health issues such as obesity and consider special dietary needs as well as ways of improving their own diet. The dishes chosen to prepare are those, which can be prepared in a short amount of time and use readily obtainable ingredients.

The students will also take a cultural voyage around the world. They will work with a range of ingredients and food from different countries while gaining an appreciation and understanding of how the Australian eating pattern has evolved from the influences of these countries

Assessment:

Students will produce a variety of products and complete product evaluations

The students will also complete two investigations:

- 1/ An investigation on a dietary disease of their own choice. This involves choosing how to present their information to the rest of the class as well as producing one or two products that are rich in the nutrients needed to prevent the disease.
- 2/ An investigation on a country of their own choice. This involves choosing how to present their information to the rest of the class as well as producing one or two products typical of their chosen country.

MUSIC:

This semester explores how knowledge and skills in the areas of rhythm, melody and harmony can be used to create great-sounding original music.

Students will use ICT to explore and create music using the concepts studied in class. This will involve creating a four-part instrumental composition using Garageband software.

They will also perform pop and rock songs in a group setting.

Assessment:

Performance and participation in group rehearsals

Composition using ICT

Rhythm, music theory and listening activities

CREATE A OPTIONS

Semester One

WOODWORK – Furniture Construction:

In this part of the unit students will gain knowledge and skills in basic cabinet construction. They will apply a range of appropriate processes and learn to utilise a variety of tools, equipment and machinery in a safe manner. Students not wishing to continue with the subject beyond Semester 1 will complete a small furniture project. Students intending to complete a further unit in Woodwork may negotiate to complete a more complex item that may be continued as part of their studies in Semester 2.

ART – Sculpture and Printmaking:

In this unit, students will focus on both 2 Dimensional and 3 Dimensional artworks.

Students will be introduced to famous sculptors throughout history as well as looking at contemporary public sculptures. Materials such as clay, stone, plaster, wood, metal and plastic will be explored as well as different methods of construction. Students will create a sculpture/s for the sculpture courtyard.

Students will also look at printmaking as a form of communication used in art and graphic design. They will look at artists and designers who work in areas such as advertising, posters, art and t-shirt design. Students will explore the main printmaking techniques and produce a number of their own images. Techniques include monoprinting, linoprinting/woodblock, silkscreen and etching.

Assessment:

Assessment is based on the production of a visual diary that records the design process and documents experiments

Students will produce a sculptural artwork/s

Students will produce a number of finished prints using different techniques

Working effectively in teams as well as problem solving is observed and recorded

TEXTILES – Fashion & Leisure Wear:

Textiles Fashion follows the four steps of the Technology process—Investigate, Design, Produce and Evaluate. During the development of skills students are given choices as to what articles they will make and the negotiated product is included as part of the creative process to allow for the diversity of the students needs and skill levels. Students will develop an understanding of today's fashion and the fashion industry. They will experience the process of investigating and designing garments using a variety of materials creatively.

CREATE B OPTIONS

Semester One

METALWORK - Introduction

Students develop skills in traditional sheet metal fabrication techniques. They complete a series of tasks that develop workshop safety and practical skills. They use different joining techniques such as 'Knock-up Joints', 'pop-riveting' and 'spot welding'. Students develop knowledge and understanding of metal characteristics; specific tool use and correct machine operation. OH&S will be strongly promoted and enforced. Students are encouraged to have their own overalls and safety glasses.

Assessment:

Students will be assessed on completion of set models such as:

- Small utility box
- A tool carrier
- A lidded and hinged toolbox
- A safety poster created using I.T.
- Design and ideas generation
- Complexity of tasks
- Quality and aesthetics

INFORMATION TECHNOLOGY - Introduction:

Students explain simple data compression, and why content data are separated from presentation. They take account of privacy and security requirements when selecting and validating data and use digital systems to analyse, visualise and model salient aspects of data. Students share and collaborate online, establishing protocols for the legal and safe use, transmission and maintenance of data and projects.

VCD: - Architecture and Advertising:

Students will learn the fundamentals of designing buildings for the Australian climate. Areas of study will include Practical planning, sustainable building materials and systems, environmental considerations, costs, drafting and plan drawing.

Other areas covered will include: Architectural styles, terminology, Computer Aided Drafting, Landscape design and Interior Decoration.

Students will become familiar with both freehand drafting and Google Sketch-up.

Other IT programs used will be Photoshop and Floor planner. Students can create 'Virtual Walk through or construct scaled 3D models of their designs.

PROJECT OPTIONS

Semester Two

FARM:

Farm to Table is a subject designed to give students a realistic 'taste' of the operations carried out on a typical farm. Students are involved in all aspects from start to finish, or, 'From Farm to Table'. Students are involved in growing produce in the market garden, animal breeding and animal handling. In Term Three holidays students attend the Royal Melbourne Show as part of Steer Handling.

Areas covered as part of Farm to Table semester two include:

- Introduction to sheep
- Introduction to cattle
- Introduction to chickens and egg production
- Showing cattle—Melbourne Show
- Pig Production

To be involved in Steer handling, students need to select this subject, ideally for the entire year. Steer handling takes place during these sessions. Only under exceptional circumstances will students be able to be involved in Steer Handling and not be in the farm class.

FOOD:

In this unit students will focus on two areas: Baking and foods used to celebrate occasions.

Cake making is regarded as a most rewarding accomplishment in the field of Food Technology. Students will undertake a variety of cake making and decorating techniques. They will also consider the nutritional value and evaluate their place in today's diet.

Students investigate the challenges involved in providing interesting and healthy meals for a range of different celebratory occasions, together with the requirements for healthy and safe food when catering for other people.

Assessment:

Students will produce a variety of products and complete product evaluations.

The students will also complete two investigations:

- 1/ The students will follow the Design Process (Investigate, Design, Produce and Evaluate) for one of their designs. This will include an introductory cake making investigation.
- 2/ An investigation on occasions where food is used to celebrate. The students will also plan the food for an occasion including choosing how to present their information to the rest of the class.

MUSIC:

The first term (Term 3) consists of a unit on understanding and creating songs in which students complete a variety of lyric and music writing activities with a view to composing their own song. ICT is used to create backing tracks and record songs.

The next term (Term 4) begins with a unit entitled 'Capturing Sound' which explores the nature of sound as well as audio technology for live and recorded music. The last unit of this subject is entitled 'Music Project'. In this unit students complete a project on an area of music that is of interest to them.

Assessment:

- Lyric and music composition activities including a complete song
- Tests on sound and audio technology
- Practical activities for capturing sound
- Music theory and listening activities
- Performance and participation in group rehearsals

CREATE A OPTIONS

Semester Two

ART – Drawing and Painting:

In this unit students will focus on two complimentary areas within art: drawing and painting.

The drawing topic is about experiencing success in drawing and extending the traditional concept of what drawing means. Students will be introduced to a wide range of drawing materials as well as techniques.

Students will create observational drawings from a variety of sources such as landscape, portrait and still-life.

Students will be able to explore an area of interest in greater depth.

In painting, students are introduced to the development of painting movements and techniques throughout history. Students will be exposed to different painting materials such as oil, watercolour, guache and ink as well as a number of application tools and techniques.

Students will create works based on realism and observation as well as abstraction.

Assessment:

Assessment is based on weekly drawing and painting exercises in each topic

A visual diary documents experimentation and the creation of images

Working effectively in teams and problem solving is observed and recorded.

TEXTILES – Patchwork/Crafts

Patchwork/ crafts follows the four steps of the Technology process—Investigate, Design, Produce and Evaluate. During the development of skills students are given choices as to what articles they will make and the negotiated product is included as part of the creative process to allow for the diversity of the students needs and skill levels.

Students will develop an understanding of different patchwork techniques and how these are implemented into textiles. Some opportunity may exist for students work to be entered in the Rutherglen Show.

Assessment

Written assignment about different patchwork techniques

Two finished products using patch working techniques or crafts

WOODWORK – Wood Design:

This unit will allow students to extend their knowledge and skills in basic cabinet construction. Some students may wish to continue with projects commenced in Semester 1. Students will also be given an opportunity of involvement in other related practical activities such as furniture restoration, woodturning, carving and toy construction.

Assessment:

Students will be assessed on the completion of a range of practical tasks.

All students are required to maintain an up to date workbook.

Practical work, journal activities and theoretical aspects of the course will be assessed.

A class presentation will also need to be completed at the end of each project along with a self-evaluation.

CREATE B OPTIONS

Semester Two

METALWORK - Engineering:

Students will work through 3 different tasks that will reinforce and build on skills developed during year 7 and 8. The tasks will be a house or farm sign and a weather vane. The skills introduced will include basic metal lathe use and an introduction into basic MIG welding.

Assessment:

Producing design ideas, sketches and plans

Following correct OH&S procedures

Accuracy (+/- 1mm tolerance)

Correctly following construction instructions and completing all set tasks.

VCD: - Movie Making and Photography:

Students will be involved in learning how to create their own movies. They will develop their own projects and develop an understanding of genre, script writing, storyboarding, filming, acting, sets and costumes.

The movies will be edited using imovie and a range of special effects and editing skills will be explored. The movies will be burnt to DVD and shown at the Y9 Presentation Evening in Term 4.

Students will learn basic skills in the use of DSLR cameras and techniques in producing creative images.

Portraiture, Fashion photography, Macro, Photo-journalism, Depth of Field are just some skills that students will develop. The use of Photoshop and its creative possibilities will form an important aspect of the course.

INFORMATION TECHNOLOGY – Risk and Innovation:

Students define and decompose complex problems in terms of functional and non-functional requirements.

They design and evaluate user experiences and algorithms, and develop and test modular programs, including an object-oriented program. Students evaluate their solutions and information systems in terms of risk, sustainability and potential for innovation.