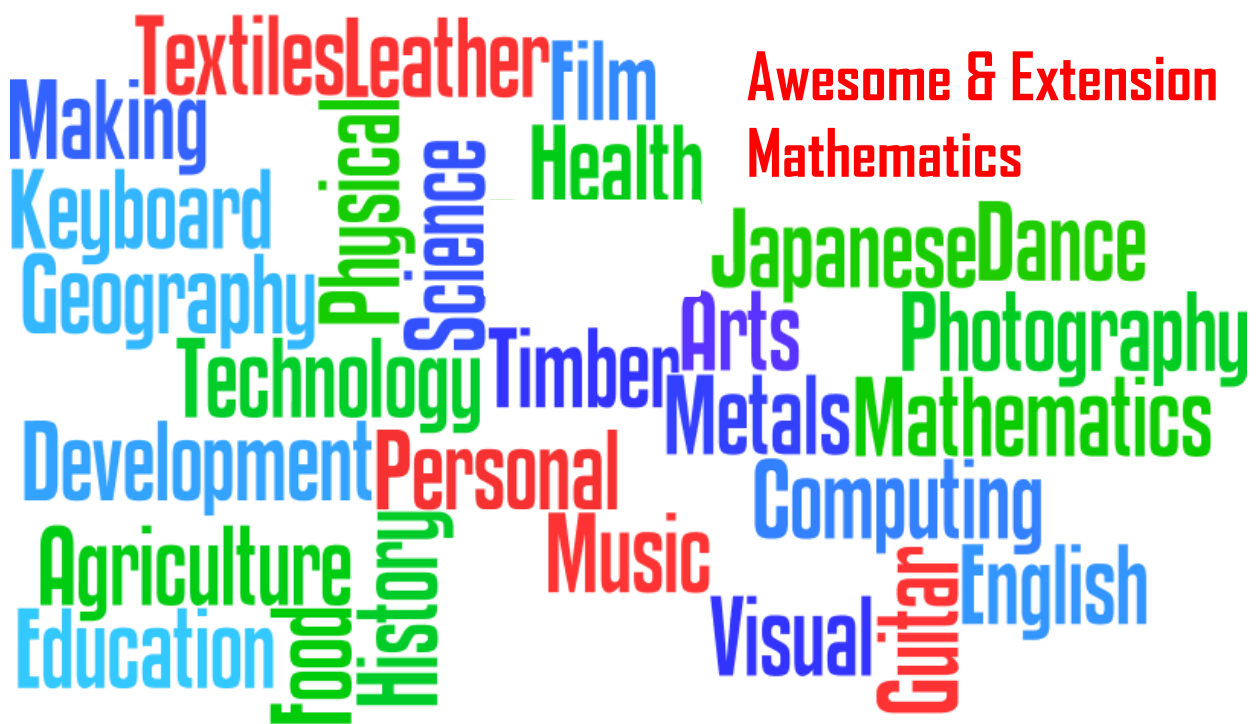




Lithgow High School

Promoting Excellence In A Caring Educational Environment

Year Eight Elective Selection Book 2023



Stage 4

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PATTERN OF STUDY

Lithgow High School offers a wide range of options to supplement the core courses that each student must study to meet the RoSA (Record of School Achievement) requirements.

Core courses include:

- English
- Mathematics
- Science
- History
- Geography
- Music
- PD/Health/PE
- Technology Mandatory
- Visual Art

We offer all students in Year 8 the opportunity to study an elective in semester one and a second elective in semester two. These are to help students make informed decisions and to sample a variety of courses in the lead up to Stage 5.

We offer all students in Technology, Visual Arts and Music experiences **beyond** the minimum required by the syllabus. These courses therefore have costs which cover the **additional** materials that your student will use in these classes.

Options are provided for two reasons:

1. To ensure that conditions for the RoSA are met. This means that every student must study a Visual Arts and a Music option from those listed. Students with a special interest may study a second option in these areas.
2. To prepare for informed choices of electives in Year 9 and 10, students are provided with the opportunity to sample a variety of courses in Year 8.

Note:

Some electives have subject costs to pay for materials used in the classes. **Where parents agree to their son/daughter taking that course, this is regarded as an agreement to pay the necessary subject cost.** Subject costs are determined by the faculties and are fully endorsed by the School Council and P & C Association.

Excursion costs are not included in the subject costs.



Rebecka Hotham
HT Teaching and Learning



Foty Loupos
PRINCIPAL

COURSE COSTS

A number of courses have a cost shown at the beginning of the course description. This cost is to allow the school to bulk purchase, in advance, materials needed so that the student can gain the full benefit of practical work.

It is expected that course costs will be paid at the start of the course, **i.e. February for Semester 1 and July for Semester 2.**

MANDATORY COURSES

You must take the following courses:

- English
- Geography
- History
- Mathematics
- Music
- Personal Development, Health and Physical Education
- Science
- Technology (Mandatory) - \$40.00 fee involved
- Visual Arts - \$30.00 fee involved

ELECTIVE COURSES

You may choose from the following elective courses:

- | | |
|---|------|
| • Aboriginal Studies | NIL |
| • Agricultural Technology | \$25 |
| • Awesome Mathematics | NIL |
| • Design and Technology | NIL |
| • Dance | NIL |
| • Drama | NIL |
| • Extension Mathematics | NIL |
| • History Elective – Big History | NIL |
| • Industrial Technology | \$25 |
| • Outdoor Recreation | NIL |
| • Photography | \$25 |
| • Sport Science | NIL |
| • STEM (Science, Technology, Engineering & Mathematics) | NIL |

ELECTIVE COURSES

ABORIGINAL STUDIES

Materials Required: Exercise book and writing equipment

Course Cost: Nil

Course Description:

Aboriginal Studies provides students with opportunities to develop knowledge and understanding of Aboriginal Peoples, histories, cultures and experiences. It is designed for all students and is of value to both Aboriginal and non-Aboriginal students. Aboriginal Studies is a special opportunity for students to join a movement for reconciliation. Aboriginal Studies equips students with the skills to enter Stage 6 Aboriginal Studies, Modern History, Ancient History, Legal Studies, Geography, and Society and Culture, as well as post-school fields of law, education, healthcare, politics, tourism, science and land management to name a few.

What will students learn about?

Students learn about the diversity of Aboriginal Peoples' identities, cultures and communities, which are interconnected with Country and spirituality. They learn about the dynamic nature of cultural expression, and the maintenance of Aboriginal identities and cultures. They also develop understanding of the importance of self-determination and autonomy for the ongoing contribution and success of Aboriginal Peoples and communities. Students study historical and contemporary experiences of Aboriginal Peoples, factors that influence non-Aboriginal peoples' perceptions of Aboriginal Peoples and cultures, and the effects of these perceptions. They learn about the range of interactions and relationships between Aboriginal Peoples and non-Aboriginal people, and the continued roles of Aboriginal Peoples and communities locally, regionally, nationally and internationally.

Students develop understanding of community consultation protocols that enable them to engage respectfully and responsibly with their local Aboriginal community and other Aboriginal communities. They learn about the importance of Indigenous Cultural and Intellectual Property (ICIP), and ethical research practices to gather, protect and interpret data. In their research, students develop skills in the use of a range of research techniques and technologies to locate, select, organise and communicate information and findings.

Through their study of core and option topics, case studies and research, students develop knowledge, understanding, skills, values and attitudes that are of value to their personal, social, cultural, academic and professional development, and enable them to become active and informed advocates for a just and inclusive world.

AGRICULTURAL TECHNOLOGY

Materials Required: 64 Page A4 exercise book and writing equipment
Sturdy covered shoes

Course Cost: \$25

Course Information:

Agriculture is the Science or practice of farming, including cultivation of the soil for the growing of crops and the rearing of animals to provide food and fibre.

This course is studied within the context of a minimum of two agricultural enterprises for one semester. The Agricultural enterprises studied will include both plant and animal systems. Practical experiences will occupy a minimum of 50 percent of allocated course time, utilising the school's Agriculture Farm to undertake a range of plant, animal, and land management practices safely and in cooperation with others.

Students will learn about:

- Agricultural technologies
- Sustainability of food and fibre production
- The application of Science in Agriculture
- Economic, environmental, and social considerations in Agriculture

AWESOME MATHEMATICS

Materials Required: Workbook and writing equipment

Course Cost: Nil

Course Information:

This alternative Mathematics course looks at Mathematical applications, problems solving and the use of Mathematics in different situations.

Topics Include:

Fractals	Number Patterns	Trade Maths
Fibonacci	Maths in Nature	Pascal's Triangle

This course will allow students, through project-based learning, a chance to improve their knowledge of Mathematics by use of investigation, problem solving with a hands-on approach to learning, incorporating technology.

DANCE

Materials Required: 128 page exercise book

Course Cost: Nil

Course Information:

This course will focus on the performance, composition and appreciation aspects of Dance. Three different dance styles will be covered and students will learn to develop confidence in performance. They will also learn to express themselves through movement. This course is designed to be a step towards Dance in Years 9 and 10.

At the end of this course students are expected to be able to:

- Perform as a member of a group
- Present a performance to an audience
- Discuss their own work and the work of others
- Compose their own dance sequence

DESIGN AND TECHNOLOGY

Materials required: A3 Folio, geometry set, student BYOD

Course Cost: Nil

Additional Costs: Costs of completing projects in this course will vary for individual students depending upon their chosen Focus Area of Design. Guidance and information will be provided to ensure costs are minimised.

Course description

The study of Design and Technology develops a student's ability for innovative and creative thought through the planning and production of design projects related to real-world needs and situations. Australia needs future generations who understand the holistic nature of design and technology and who can apply design processes, develop, communicate and justify solutions, create systems and use technologies to meet identified needs and opportunities.

Students electing Design and Technology will engage in projects related to real-life contexts providing a rich setting for individuals and groups to develop holistic solutions and to discover underlying principles for quality design applications. This gives students the opportunity to:

- identify problems and opportunities
- research and investigate existing solutions
- analyse data and information
- generate, justify and evaluate ideas
- experiment with technologies
- manage and produce a major design project
- learn about design-thinking and social enterprise
- market and promote their product/design

Contexts and Focus Areas of Design

The focus areas of design provide the context for designing, producing and evaluating projects. Students will choose to focus on ONE area of design each semester and develop a project relating to that area. Examples of focus areas and contexts for learning are:

- 3D Modelling and Animation
- Accessories and Jewellery
- Architecture

- Animal Enterprise
- Desktop Publishing / Website Design
- Electronics
- Engineered Systems and Computer-Aided Design
- Fashion

- Food and Nutrition
- Graphics
- Information and Communications Technologies
- Landscaping
- Robotics
- Sustainable Products
- Software, Coding and App Development
- Student-Negotiated Area of Design

Mini Entrepreneurs Challenge - Design Project, Project Management and Enterprise Skills

Each semester, the course will culminate in a celebration of learning and students' projects through a Mini Entrepreneurs Challenge. Students will be introduced to fundamental enterprise skills and will be guided through the process to develop a marketing and finance plan to showcase their project.

As students develop their design project, they will document their learning and progress in a Design and Production Portfolio. Design and production folios reinforce and document student learning. This documentation provides the student with a means of recording all aspects of the design process used, evaluating and justifying the reasons for the decisions made and the real-world application of their project.

More information on this event will be provided closer to the event date.

Course requirements

To satisfy the requirements of the course, students must undertake a range of practical experiences that occupy the majority of course time. Practical experiences allow students to develop skills and confidence in the use of a range of technologies and equipment. Student capability, confidence and expertise at their current stage of development are important considerations in determining the design projects to be undertaken in this course.

DRAMA

Materials Required: 128 page exercise book

Course Cost: Nil

Course Information:

This course will focus on both the practical and theoretical aspects of Drama. Topics covered will be mime, movement, improvisation, scripted drama and performance. You will learn to develop self-confidence in communicating with others on an individual level, in small groups and to a larger audience. The course is designed to be a fun step up into Drama in Year 9 and Year 10.

At the end of this course students are expected to be able to:

- Perform as a member of a group
- Discuss their own work and the work of others
- Present a performance to an audience
- Set up an appropriate space for a performance

EXTENSION MATHEMATICS

Materials Required: Workbook and writing equipment

Course Cost: Nil

Course Information:

This course encourages students to refine the skills taught in Stage 4 necessary for future studies of Mathematics. This course is designed for those students wishing to study Stage 5.3 Mathematics, the highest level in years 9 and 10.

HISTORY ELECTIVE – Big History

Materials Required: Exercise book and writing equipment

Course Cost: Nil

Course Description:

History enables young people to develop an interest in and enjoyment of exploring the past. History Elective provides opportunities to develop a knowledge and understanding of past societies and historical periods.

What will students learn about?

Students explore the nature of history, heritage and archaeology and the methods that historians use to construct history through a range of thematic and historical studies. The construction of history is examined through options such as oral history, museum or archive studies, historical fiction, media, biography or film. Historical issues studied include the collection, display and reconstruction of the past, ethical issues of ownership, preservation and conservation of the past. Features of a range of ancient, medieval and modern societies are explored and students have the opportunity to study historical themes such as war and peace, crime and punishment, music through history, slavery and gender in history.

Students undertake processes of historical inquiry, including understanding and analysing sources and sequencing major historical events to show an understanding of continuity, change and causation. Students develop an understanding of historical concepts such as empathetic understanding, significance and contestability. They apply research and communication skills, including the use of ICT, and examine different perspectives and interpretations to develop an understanding of a wide variety of viewpoints. Students are provided with opportunities to construct a logical historical argument supported by relevant evidence and to communicate effectively about the past for different audiences.

Students will study at least ONE option from each of the following topics:

- Topic 1: History, Heritage and Archaeology
- Topic 2: Ancient, Medieval and Modern Societies
- Topic 3: Thematic Studies

Materials required: A4 Folder, A4 Exercise Book, Geometry Set, Pencils, Pens, Sturdy Covered Shoes

Course Cost: \$25

Course description

The study of Industrial Technology provides students with opportunities to engage in a diverse range of creative and practical experiences using a variety of technologies widely available in industrial and domestic settings.

Industrial Technology develops knowledge and understanding of materials and processes and important Work, Health and Safety requirements. Related knowledge and skills are developed through a specialised approach to the tools, materials and techniques employed in the planning, development, construction and evaluation of quality practical projects and processes.

Focus Areas of Industrial Technology

Students study the interrelationship of technologies, equipment and materials used in a variety of settings and specific focus areas. Students may study the focus areas in integrated projects or as stand-alone units. Industry Focus Areas for learning may include:

• Farm Maintenance

- fences and gates
- maintenance and repair of farm appliances and equipment
- small structures for farm applications
- structures for containing/restraining livestock
- tools and equipment to assist on the farm

• Metals

- fabricated projects
- metal machining projects
- sheet metal products

• Timber

- decorative timber products
- furniture items
- small bowls or turned items
- storage and display units
- storage and transportation products

Course requirements

To satisfy the requirements of the course, students must undertake a range of practical experiences that occupy the majority of course time. Practical experiences allow students to undertake project work to develop skills and confidence in the use of a range of equipment, tools, processes and technologies, and skills in designing, producing and evaluating.

OUTDOOR RECREATION

Materials Required: Exercise Book, School Sport Uniform

Course Cost: NIL

Course Information:

This course will examine areas of outdoor recreation as part of a healthy lifestyle and lifelong physical activity.

It will include topics such as:

Archery

Orienteering

Camp craft

Environmental education

PHOTOGRAPHY

Materials Required: A4 Display Folder (included in cost)

Course Cost: \$25

Course Information:

Students are introduced to photography by using compact digital cameras. Students will have the opportunity to experiment with taking interesting photographs, printing techniques and using digital scanners. They will be introduced to, and experience manipulating images, through digital software programs.

At the end of this course students are expected to be able to:

- Identify and use various types of cameras
- Capture images electronically through the use of digital cameras to produce digital images
- Investigate methods of manipulating images through the use of software programs
- Select, appreciate and compose photographs

SPORT SCIENCE

Materials Required: Exercise Book
School Sport Uniform

Course Cost: NIL

Course Information:

This course will examine the relationship between sport and science.

It will include topics such as:

Physical Fitness

Technology in Sport

Sport Safety

Science Principles in Sport

STEM – (Science, Technology, Engineering & Mathematics)

Materials required: Student BYOD (computer or laptop device)

Course Cost: NIL

Course Description:

Offers wide opportunities involving Science Technology Engineering and Maths (STEM).

The main focus is on designing and building a robot that will compete in a number of competitions.

The focus of learning will be:

- Mathematics
- Science
- CAD Technical drawing - Essential skill for Engineers.
- Programming - The language of the future and what drives our robots.
- Electronics - How we connect the parts of our robots.
- Social Media - How we develop and promote our social media profile.
- Fabrication - how to put robot together.

This is hands on and practical work that will require a strong commitment to applying maths and science knowledge to mechanical and computerised systems.

STEM activities may include:

- Science and Engineering Challenge
- Grok Learning National Programming Competitions
- Challenge days
- RoboCUP and Robotics Challenge
- First Robotics Challenge

Online Subject Selection Instructions Year 8 - 2023

You will be issued your Edval subject selection WebCode through your DEC student email. The subject selection form will be open from 8:00 am **Thursday 4th August 2022** till 9:00 pm **Friday 12th August 2022**.

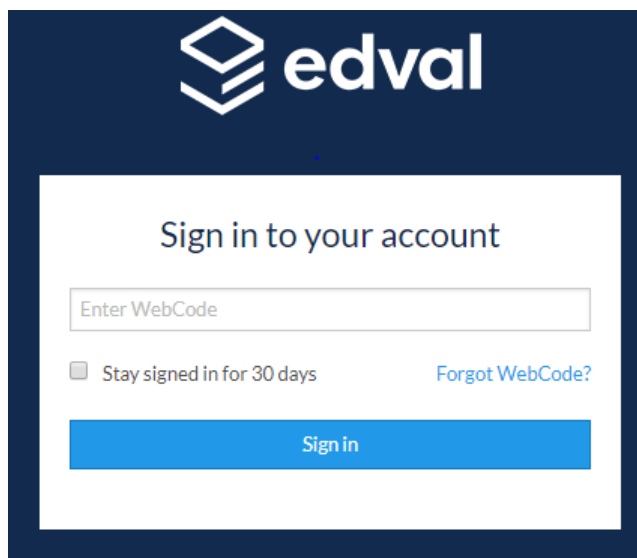
Please make sure you are at a computer which can print your subject selections. If you do not have computer and printer access at home staff will help you make your selections on one of the desktop computers in the Library.

Step 1:

Check your DEC email for your Edval subject selection WebCode and follow the link. If you do not get an email please see Mrs Farebrother in the E18 staffroom.

Step 2:

Enter your WebCode in the link



Step 3:

Select the box below to open the web form.

YEAR 8 2023 ELECTIVE CHOICES 2023

Open for submission



Step 4:

You should now see your name in the top right-hand corner of this blank subject selection form.

Main Units	Subject	Units
Elective Choice 1	No selection	0
Elective Choice 2	No selection	0
		Total 0

Reserve Units	Subject	Units
Reserve 1	No selection	0
Reserve 2	No selection	0
		Total 0

Notes

Year 8 - 2023 Elective Selection.
Please select two electives for your Year 8 - 2023 preferences.
You will also need to select 2 reserves.

Buttons: Cancel, Print, Submit

Step 5:

Enter your subject selections using the drop-down lists.

Your choices should be entered in **preferential order**.

You must make two reserve selections in case one of your main selections does not run.

Main Units	Subject	Units
Elective Choice 1	Dance	2
Elective Choice 2	Aboriginal Studies	2
		Total 4

Reserve Units	Subject	Units
Reserve 1	Outdoor Recreation	2
Reserve 2	Design and Technology	2
		Total 4

Notes

Year 8 - 2023 Elective Selection.
Please select two electives for your Year 8 - 2023 preferences.
You will also need to select 2 reserves.

Buttons: Cancel, Print, Submit

The form will display the cost of electives which require a fee and a Total for all elective fees.

Step 6:

When complete, click on 'Submit'. Your submission will be checked, and if valid it will be submitted.

Step 7:

Please print your choices page. Ask your parent or guardian to write their name and signature on the base of the form and return it to Mrs Farebrother or the box in the front office by **Wednesday 17th August 2022**.

Year 8 2023 Elective Choices



Student name: **Peter Pan (Test student Yr8) (DUMMY!8)**

Notes: **Your choices are registered.**

Submitted date: **Wed 3 Aug 2022 04:42:31**

Main units

Main Units	Subject	Units
8ABS	Aboriginal Studies	2
8DAN	Dance	2

Total units: 4

Reserve units

Reserve Units	Subject	Units
8OUR	Outdoor Recreation	2

PLEASE REMEMBER:

The online entry of subject selection must be completed by Friday 12th August 2022.

The signed hard copy of your selections must be submitted by **Wednesday 17th August 2022**.

If you have any problems following this online selection process, please see Mrs Farebrother in the E18 staffroom.