



Lithgow High School
Promoting Excellence In A Caring Educational Environment

Years Nine and Ten
Elective Selection Book
2024



Stage 5

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STAGE 5 CURRICULUM (YEARS 9 AND 10)

Stage 5 refers to the two years of school that the students complete in Years 9 and 10. The mandatory subjects that must be studied by all students to gain a **RECORD OF SCHOOL ACHIEVEMENT (RoSA)** are:

- **ENGLISH**
- **GEOGRAPHY**
- **HISTORY**
- **MATHEMATICS**
- **PERSONAL DEVELOPMENT, HEALTH and PHYSICAL EDUCATION**
- **SCIENCE**

All other subjects are electives. It is mandatory that students complete 400hrs of elective courses.

Patterns of Elective Study

At Lithgow High School we offer a wide range of electives in Stage 5. The school has expanded the elective structure to enable all Stage 5 students in Year 9 and 10 to complete three electives. The pattern that students can choose now includes interest / enrichment electives.

What are interest / enrichment electives?

This is a course offered to students that has been developed by the teachers at Lithgow High School as a reflection of students' interests. The course will run as a **one year 100 hours course**.

The interest / enrichment elective will not form part of the Record of School Achievement. These courses are designed for students to explore in further detail their areas of interest.

NESA Mandatory Curriculum Requirements for the Award of a ROSA:

- courses in each of English, Mathematics, Science, and Human Society and Its Environment are to be studied substantially throughout each of Years 7 – 10, with 400 hours in each to be completed by the end of Year 10. Included in the Human Society and Its Environment requirement are 100 hours each of History and Geography to be studied in both Years 7 – 8 and Years 9 – 10, and including Australian History and Australian Geography
- courses in each of Creative Arts and Technological and Applied Studies are to be studied, with 200 hours in each to be completed by the end of Year 10. Included in the Creative Arts requirement are 100 hours of Visual Arts and 100 hours of Music
- a course in Personal Development, Health and Physical Education is to be studied in each of Years 7 -10, with 300 hours to be completed by the end of Year 10
- one language is to be studied for at least 100 hours, over one continuous 12-month period between Years 7 and 10, preferably in Years 7 – 8.

<https://educationstandards.nsw.edu.au/wps/portal/nesa/11-12/leaving-school/record-of-school-achievement/credentials>

Performance Descriptors

Course Performance Descriptors describe the levels of achievement in each subject. The descriptors are grouped into five different levels of achievement, ranging from elementary to excellent. Schools will match students to the descriptor that best fits a student's overall achievement. The grade that corresponds to that descriptor is then awarded to that student. The grades are ranked A – E in all subjects. 'A' indicates excellent achievement and 'E' indicates elementary achievement. The use of these descriptors in assigning grades is designed to ensure comparability in the grades awarded by different schools.

'N' Awards

An 'N' Award means that a student has not satisfied the requirements for a particular course. A student who is given an 'N' Award in a Mandatory Course in Stage 5 (English, Mathematics, Science, History, Geography and PD/H/PE), will not be eligible for a **NSW RECORD OF SCHOOL ACHIEVEMENT**. If a student receives an 'N' Award for an elective subject, he/she will still receive a **NSW RECORD OF SCHOOL ACHIEVEMENT**. 'N' Award will be printed on his/her Record of Achievement.

Cost of Materials

Some courses have a cost associated with them. This covers materials used by students whilst completing that course. **The cost is indicated with each course and choosing that course is an agreement that this cost will be paid.**

Guidelines for making subject selections

- Year 9 and Year 10 students will select **THREE** electives.
- Students should choose electives that they are interested in and enjoy.
- Students in Year 9 or Year 10 may elect to study an interest / enrichment elective.
- ***If they choose an interest / enrichment elective, it will not be displayed on their Record of School Achievement.***
- **INDUSTRIAL TECHNOLOGY – Students who study subjects accredited as Industrial Technology can only study a maximum of two industrial technology courses.**

Who to see for assistance

There are many people that can assist you to make your decision if you are unsure about elements of the electives. They include:

- Your **classroom teacher** if you are having problems with the course you have chosen.
- Your **Faculty Head Teacher** if you need to talk about the prerequisites of a certain course.
- Your **Student Adviser** who can help you with personal problems with students or teachers.
- The **Head Teacher Teaching & Learning** for problems such as course choices, changing courses and RoSA requirements.

Selection process for oversubscribed courses

Students who miss the due date for the return of the selection forms will not be considered for selection into the oversubscribed course.

Any student whose **application** and **effort** was deemed to be unsatisfactory in previous years of studying this course would also be removed from the list of students considered for that class. Teachers **MUST** be able to justify this decision and have their mark book, or assessment schedule as evidence for their decision. The teacher will inform students exempted in this manner of this decision.

No student will be excluded from consideration on the grounds of behavior (unless that behavior endangers the safety of themselves or others).

All remaining students who applied for that course are then selected at random until the class is full.

Elective Courses

Aboriginal Studies	NIL
Agricultural Technology	\$35
Childhood Studies	NIL
Commerce	NIL
Dance	NIL
Design & Technology	\$40
Drama	NIL
Food Technology	\$80
French	NIL
History Elective	NIL
Industrial Technology Wood/Metal	\$50
iSTEM	\$40
Japanese	NIL
Music	\$20
Outdoor Education	\$50
Philosophy	NIL
Photography	\$50
Physical Activity & Sports Studies	NIL
Spanish	NIL
Visual Arts	\$60
Work Education	NIL

Interest / Enrichment Courses

Ancient Mysteries and Conspiracy Theories	NIL
Beginners Guide to Car Racing and Restoration Skills	\$30
Extension Maths	NIL
History Elective	NIL
Maths for Everyday Life	NIL
Mural Art	\$20
Zoology	NIL

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: 200 page A4 book or folder with individual sheets of paper
Covered shoes
Blue, black and red pens, pencil, ruler

Course Cost: \$35

Course Description

Students will experience aspects of an agricultural lifestyle through direct contact with plants and animals and a variety of outside activities. They explore the many and varied career opportunities in agriculture and its related service industries.

Students investigate the viability of Australian agriculture through the careful management of issues relating to the sustainability of agricultural systems, as well as the relationships between production, processing and consumption. The study of a range of enterprises allows students to make responsible decisions about the appropriate use of agricultural technologies.

What will students learn about?

The essential content integrates the study of interactions, management and sustainability within the context of agricultural enterprises. These enterprises are characterised by the production and sale or exchange of agricultural goods or services, focusing on plants or animals or integrated plant/animal systems. The local environment will be considered in selecting enterprises, as will the intensive and extensive nature of the range of enterprises to be studied.

What will students learn to do?

Students will spend approximately half of the course time on practical experiences related to the chosen enterprises, including fieldwork, small plot activities, laboratory work and visits to commercial farms and other parts of the production and marketing chain. The skills of designing, investigating, using technology and communicating will also be developed over the period of the course.

Materials required: Workbook and writing equipment

Course cost: Nil

Course description

Child Studies aims to develop in students the knowledge, understanding and skills to positively influence the wellbeing and development of children in the critical early years in a range of settings and contexts.

What will students learn about?

The syllabus includes a range of modules that provide flexibility for schools to design and deliver a course in Child Studies that meets the needs and interests of their students. Modules should be between 15 -30 hours duration.

The syllabus modules are:

- Conception to birth
- Newborn care
- Growth and development
- Play and the developing child
- Health and safety in childhood
- Food and nutrition in childhood
- Media and technology in childhood
- Childcare services and career opportunities

What will students learn to do?

Throughout the course students will develop skills that enhance their ability to:

- support a child's development from pre-conception through to and including the early years
- positively influence the growth, development and wellbeing of children
- consider the external factors that support the growth, development and wellbeing of children
- research, communicate and evaluate issues related to child development.

COMMERCE

Materials Required: Exercise book and writing equipment

Course Cost: Nil

Course Description:

Commerce enables young people to develop the knowledge, understanding, skills, values and attitudes that form the foundation on which they can make sound decisions about consumer, financial, economic, business, legal, political and employment issues. It develops in students the ability to research information, apply problem-solving strategies and evaluate options in order to make informed and responsible decisions as individuals and as part of the community.

What will students learn about?

Students investigate the consumer, financial, economic, business, legal, political and employment world and are provided with the opportunity to develop their research, decision-making and problem-solving skills. Students develop an understanding of political and legal processes in order to become informed, responsible and active citizens. Commerce provides opportunities for students to develop the skills required to become responsible and independent individuals who can contribute to society.

Student learning in Commerce promotes critical thinking and the opportunity to participate in the community. Students learn to identify, research and evaluate options when solving problems and making decisions on matters relating to their consumer, financial, economic, business, legal, political and employment interactions. They develop research and communication skills, including the use of ICT, and the skills of working independently and collaboratively.

DANCE

Materials Required: Workbook and writing equipment

Course Cost: Nil

Course Description

Dance provides students with opportunities to experience and enjoy dance as an art form as they perform, compose and appreciate dance. In an integrated study of the practices of performance, composition and appreciation, students develop both physical skill and aesthetic, artistic and cultural understandings. The course enables students to express ideas creatively and to communicate physically, verbally and in written forms as they make, perform and analyse dances and dance forms.

What will students learn about?

All students study dance performance, composition and appreciation. They will learn about the elements of dance (space, time and dynamics) and how they are used in, and link, the three practices. They will learn about performing dances with an awareness of safe dance practice, dance technique and performance quality. They will learn about how dance expresses ideas, feelings and experiences as they construct dance compositions to communicate ideas. They learn about people, culture and society as they study and analyse dance performances, compositions and dance works of art.

What will students learn to do?

Students will learn to develop an articulate body as they perform a range of dances in a variety of styles with a working knowledge of safe dance practice. They will learn to structure movement as they compose dances to express their ideas, feelings and experiences. They will learn to use the language of dance and to describe movements using the elements of dance as they view, discuss, read and write about dance. Drawing from their experiences gained in performing, composing and appreciating dances, they will learn to make connections between the making and performing of the movement and the appreciation of its meaning.

Materials required: A3 Folio, geometry set, student BYOD

Course Cost: \$40

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

Shark Tank Challenge - Design Project, Project Management and Enterprise Skills

Each semester, the course will culminate in a celebration of learning and students' projects through a Shark Tank Challenge. Students will be given the opportunity to showcase their project and engage in developing an enterprise as part of 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: Workbook and writing equipment

Course Cost: Nil

Course Description

Drama is an artform where students learn about themselves and others by creating characters, situations, and exploring the world around them through the eyes of the theatre. Through critical thinking, analysis, collaboration, practical and creative tasks, the course promotes skills and knowledge in Making, Performing and Appreciating Drama. Drama encourages a cooperative and self-disciplined approach to collaboration and creativity in both individual and group tasks.

What will students learn about?

Through both theoretical and practical tasks, students will develop an appreciation of different forms of theatre and performance styles including: mime, melodrama, commedia dell'arte, political theatre, verbatim, black comedy and Australian contemporary theatre. Students also learn about the elements of drama, various roles in the theatre, the visual impact of design, technical production elements and the importance of the audience in any performance.

What will students learn to do?

Students take on roles as a means of exploring both familiar and unfamiliar aspects of their world while exploring the ways people react and respond to different situations, issues, and ideas. They learn to make, perform, and appreciate dramatic and theatrical works. They devise and enact dramas using scripted and unscripted material, and use acting and performance techniques to convey meaning to an audience. They learn to respond to, reflect on and analyse their own work and the work of others and evaluate the contribution of drama and theatre to enriching society.

Materials required: Sturdy leather shoes, Hairnet/hair ties, A4 Exercise Book, Plastic Containers

Course Cost: \$80

Course description

The study of Food Technology provides students with a broad knowledge of food properties, processing, preparation, nutritional considerations and consumption patterns. It addresses the importance of hygiene, safe working practices and legislation in relation to the production of food. Students develop food-specific skills, which can be applied in a range of contexts enabling students to produce quality food products. The course also provides students with contexts through which to explore the richness, pleasure and variety food adds to life and how it contributes to both vocational and general life experiences.

What will students learn:

Students learn about food in a variety of settings, enabling them to evaluate the relationships between food, technology, nutritional status and the quality of life. Students develop the ability and confidence to design, produce and evaluate solutions to situations involving food. They learn about Work Health and Safety issues, and learn to select and use appropriate ingredients, methods and equipment safely and competently.

Students learn about food through the following focus areas:

- Food in Australia
- Food Equity
- Food Product Development
- Food Selection and Health
- Food Service and Catering
- Food for Specific Needs
- Food for Special Occasions
- Food Trends

Masterchef Challenge

Each semester, the course will culminate in a celebration of learning and skill development through a Masterchef Challenge. Students will showcase their creativity, collaboration and communication skills in response to a cooking challenge. 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 project to be undertaken in this course.

Materials Required: Exercise book and writing equipment

Course Cost: Nil

Course Description:

It is very exciting to be offering French for the first time at Lithgow High School in 2024! ALL Language courses have a NEW syllabus in 2024 which is exciting news! In the new syllabus, the focus will be on speaking and interacting in French. French is a major language of international communication. It is the second most widely learned language after English and the sixth most widely spoken language in the world. Knowing French will improve your vocabulary in English. Some 40 to 50% of English vocabulary comes from French. As you develop greater skills in French, you also sharpen your skills in English.

Learning another language will increase your job prospects, improve your memory and brain function as well as allow you to see the world from a different perspective. Learning a language also means learning about the culture which includes Food! Think about sushi, Pocky and onigiri.

What will students learn about?

- Self, family and pets
- Home and neighbourhood
- Food
- Daily routine and school
- Friends, recreation and past times
- Shopping
- Holidays, travel and tourism
- Future plans and aspirations

What will students learn to do?

- Speak confidently with other French speakers
- Become a global citizen
- Discover French food
- Engage with the rich culture of fashion, art and *joie de vivre* (living life with enjoyment)
- Learn about how you learn which is a very important skill for Stage 6 and beyond

Materials Required: 96 page exercise book and writing equipment

Course Cost: Nil

Course Description:

This course is designed for students that love studying historical events and people and would like to explore history outside the mandatory history subject. Students will study a range of topics. Embedded into the following units will be the overarching theme of film as history, and students will be viewing excerpts of films to answer the question: How do films 'make history'?

Students will spend the first term exploring the requirements for a successful society with a focus on ancient and medieval societies, and how great empires throughout history rose and why they fell.

Students will then engage in further investigation into a range of topics linked back to these empires, including crime and punishment throughout history, the use of war throughout history, and the consequences of invasion. Case studies for these topics include Medieval crime and punishment, Ancient Roman crime and punishment, such as the use of gladiator games as punishment.

Other topics studied by students will investigate the use of war throughout history, and the consequences of invasion.

Students will be challenged on whether popular historical figures could be considered heroes, or villains, and look at how history has been constructed to either glorify or vilify these figures. Case studies in this topic may be selected from the following: Genghis Khan, Vlad the Impaler (Dracula), Oppenheimer, Joan of Arc. Students will also have the opportunity to study some specific myths and legends related to the societies studied.

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

Course Cost: \$50

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:

• **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.

Materials required: Student BYOD (computer or laptop device)

Course Cost: \$40

Course Description:

iSTEM is an innovative student-centred elective that integrates science, technology, engineering and mathematics (STEM). The course focuses on applied learning and skillset development based on the needs of local and national industry. iSTEM prepares students to engage with STEM knowledge, understanding and skills using inquiry, problem and project-based learning pedagogies.

The importance of STEM disciplines for the future economic and social wellbeing of Australia cannot be underestimated. International research indicates that 75% of the fastest growing occupations require STEM skills and knowledge. iSTEM is aligned to the concept of 'Industry 4.0' which refers to a new and emerging phase in the industrial revolution that heavily focuses on interconnectivity, automation, machine learning and real-time data.

iSTEM develops enabling skills and knowledge that increasingly underpin many professions and trades, and the skills of a technologically enabled workforce. It provides students with learning opportunities to develop knowledge and skills to use the most up-to-date technologies including additive manufacturing (3D printing), laser cutters, augmented and virtual reality, drones, smart robotics and automation systems, Artificial Intelligence (AI) and a range of digital systems.

STEM activities may include:

- Science and Engineering Challenge
- Grok Learning National Programming Competitions
- Electric Vehicle Festival
- F1 in schools
- REA 4x4 Challenge
- Challenge days
- RoboCUP and Robotics Challenge
- Major Research Projects
- The National Science Poster Competition
- First Robotics Challenge
- Student Defined Research Projects
- Mentoring from industry partners where available

Entry Requirements

Due to the academic rigour and skill required to undertake this course, students are required to have demonstrated skills in Mathematics, Science and Technology and a highly diligent approach to their studies.

Students who are interested in enrolling in iSTEM may self-nominate via the Head Teacher, TAS (Technology and Applied Science). A nomination form will be e-mailed to students to complete and submit.

Students who have self-nominated will be invited to a short-interview to discuss their enrolment in iSTEM.

Materials Required: Exercise book and writing equipment

Course Cost: Nil

Course Description:

ALL Language courses have a NEW syllabus in 2024 which is exciting news! In the new syllabus, the focus will be on speaking and interacting in Japanese. Japan has been a close strategic and economic partner of Australia for more than 50 years, and there is ongoing exchange between the two countries in the areas of education, trade, diplomacy and tourism.

Learning another language will increase your job prospects, improve your memory and brain function as well as allow you to see the world from a different perspective. Learning a language also means learning about the culture which includes Food! Think about sushi, Pocky and onigiri.

What will students learn about?

- Self, family and pets
- Home and neighbourhood
- Food
- Daily routine and school
- Friends, recreation and past times
- Shopping
- Holidays, travel and tourism
- Future plans and aspirations

What will students learn to do?

- Speak confidently with other Japanese speakers
- Write in hiragana, katakana and kanji
- Become a global citizen
- Discover Japanese food
- Engage with the rick culture on anime, manga and technology
- Learn about how you learn which is a very important skill for Stage 6 and beyond

MUSIC

Materials required: Workbook and writing equipment
A4 Plastic Sleeve display folder
Headphones/earphones

Course Cost: \$20

Course Description

This course is an opportunity for students with a love of music to develop their skills in performance, composition, listening and music appreciation. Through a range of music contexts, students will develop their practical skills to work to become better musicians. There is a focus on studying famous pieces of music that have been popular throughout the years, as well as popular music of today. Students will study Australian Music and other topics such as Jazz, the development of Rock, Music of Other Cultures and Technology in Music.

What will students learn about?

Students will study the *concepts of music* (pitch, duration, dynamics and expressive techniques, tone colour, texture and structure) through the learning experiences of *performing, composing and listening*, within the *context* of a range of styles, periods and genres. There are mandated topics/contexts to study but there is also a chance for students to focus on specific areas of interest and develop their skills playing and composing music.

What will students learn to do?

- Perform and compose music in a range of styles using classroom instruments
- Listen and analyse music across a broad range of musical styles with a focus on the concepts of music
- Extend their practical skills in solo and ensemble performance/composition
- Appreciate music as an artform across a broad range of styles and historical periods.

OUTDOOR EDUCATION

Materials required: Exercise book, writing equipment, sturdy shoes for bushwalking, camping gear if possible.

Course Cost: \$50

Course Description

Currently we are offering a 100 hr course which students can complete in either year 9 or 10. Outdoor education is based on experiential learning where students explore and gain a deeper understanding of their surroundings. Students learn through planning and participating in outdoor experiences and reflecting on their involvement.

What will students learn about?

Through participation in a range of outdoor activities, students will develop and apply their knowledge and skills to work together to be active and safe in a variety of outdoor environments. They learn to assess risk, identifying and applying appropriate management strategies and emergency response procedures.

Through studying outdoor education, students will develop personal wellbeing and a sense of place and connection as a result of a greater understanding and appreciation of the local natural environment.

Students learn skills that encourage them to minimise their impact on the environment and understand why this is so important. They will have opportunities to understand environmental management, including the ways Aboriginal Peoples manage and work to actively conserve environments.

What will students learn to do?

Outdoor Education will be taught with a combination of theory and practical lessons. During the 100 hr course students will learn:

- To work cooperatively in groups with their peers
- Roping
- Navigation, map reading, orienteering
- Climbing
- Abseiling
- Bushwalking and minimal impact camping
- How to cook on a Trangia
- How to dehydrate food
- Canoeing
- Archery
- Initiative games

PHILOSOPHY

Materials required: Exercise book, writing equipment,

Course Cost: NIL

Course Description

Philosophical thought shapes what people think, value, and how they engage with others and the world around them. Philosophy is concerned with questions of ethics, knowledge aesthetics and reality. It seeks to shed light on life's big issues, such as: the nature of reality, how we should live and what it means to be human. Philosophy also grapples with the problems that lie at the foundation of issues of public debate such as artificial intelligence, human rights and freedom of speech.

What will students learn about?

In this course students are actively engaged in exploring authentic ethical, social and political dilemmas in philosophy. They are challenged to think rigorously and discuss these issues in communities of inquiry. This engagement in philosophical discussions encourages students to think creatively, critically and collaboratively.

What will students learn to do?

Philosophy equips students with the skills essential for active citizenship in today's complex global society. Through the study of philosophy, students will develop the skills to think deeply and formulate sound arguments. A study of philosophy will also encourage an open-minded disposition and a willingness to challenge existing beliefs and values.

PHOTOGRAPHY

Materials required: A4 plastic sleeve folder (included in cost)

Course Cost: \$50

Course Description

Photographic and Digital Media provides opportunities for students to enjoy making and studying a range of photographic and digital media works. It enables students to represent their ideas and interests about the world, to engage in contemporary forms of communication and understand and write about their contemporary world.

What will students learn about?

Students learn about the pleasure and enjoyment of making different kinds of photographic and digital media works in still forms. They learn to represent their ideas and interests with reference to contemporary trends and how photographers make photographic and digital media works.

Students learn about how photographic and digital media is shaped by different beliefs, values and meanings by exploring photographic and digital media artists and works from different times and places, and relationships in the art world between the artist – artwork – world – audience. They also explore how their own lives and experiences can influence their making and critical and historical studies.

What will students learn to do?

Students learn to make photographic and digital media works using a range of materials and techniques in still forms to build a Photographic and Digital Media portfolio over time. They learn to develop their research skills, approaches to experimentation and how to make informed personal choices and judgements. They will learn how to effectively utilize computer software programs.

Students learn to investigate the world as a source of ideas and concepts and subject matter. They will learn to select appropriate procedures and techniques to make and refine digital photographic works. Students will learn to work with a range of digital equipment as well as input and output devices.

PHYSICAL ACTIVITY AND SPORTS STUDIES

Materials required: Workbook for theory lessons and appropriate shoes for physical activity

Course Cost: Nil

Course Description:

Physical Activity and Sports Studies aims to enhance students' capacity to participate effectively in physical activity and sport, leading to improved quality of life for themselves and others.

Students engage in a wide variety of physical activities in order to develop key understandings about how and why we move and how to enhance the quality and enjoyment of movement.

Course Information:

The Body in Action
World Games
Outdoor Games
Australia's Sporting Identity
Nutrition and Physical Activities
Australian Games

Participating with Safety
Physical Fitness
Coaching
Technology, Performance and Participation

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

Knowledge, understanding and skills

Students will:

- Develop a foundation for efficient and enjoyable participation and performance in physical activity and sport
- Develop knowledge and understanding about the contribution of physical activity and sport to individual, community and societal well-being
- Enhance the participation and performance of themselves and others in physical activity and sport
- Develop the personal skills to participate in physical activity and sport with confidence and enjoyment

Values and attitudes

Students will:

- Develop a commitment to lifelong participation in physical activity and sport
- Appreciate the challenge and challenge of participation in physical activity and sport
- Value the contributions of physical activity and sport to well-being and society

What will students learn to do?

Throughout the course students will develop their ability to:

- Work collaboratively with others to enhance participation, enjoyment and performance in physical activity and sport
- Display management and planning skills to achieve personal and group goals in physical activity and sport
- Perform movement skills with increasing proficiency

SPANISH

Materials Required: Exercise book and writing equipment

Course Cost: Nil

Course Description:

It is very exciting to be offering Spanish for the first time at Lithgow High School in 2024! ALL Language courses have a NEW syllabus in 2024 which is exciting news! In the new syllabus, the focus will be on speaking and interacting in Spanish. Spanish is a major language of international communication. It is the fourth most widely spoken language in the world. It's the official language of twenty different countries, including Spain itself. Spanish is also the easiest European language to learn.

Learning another language will increase your job prospects, improve your memory and brain function as well as allow you to see the world from a different perspective. Learning a language also means learning about the culture which includes Food! Think about churros, tacos and tapas.

What will students learn about?

- Self, family and pets
- Home and neighbourhood
- Food
- Daily routine and school
- Friends, recreation and past times
- Shopping
- Holidays, travel and tourism
- Future plans and aspirations

What will students learn to do?

- Speak confidently with other Spanish speakers
- Become a global citizen
- Discover Spanish and Hispanic food
- Engage with the rich culture of festivals, dancing and music
- Learn about how you learn which is a very important skill for Stage 6 and beyond

VISUAL ARTS

Materials required: Visual Arts Process Diary (VAPD)

Course Cost: \$60

Course Description

Visual Arts provides opportunities for students to enjoy the making and studying of art of various styles and time periods. It builds an understanding of the role of art in all forms of media, both in the contemporary and historical world. Students learn skills to represent their ideas and interests in artworks of various mediums. Visual Arts enables students to become informed about, understand and write about their contemporary world.

What will students learn about?

Students learn about how artists including painters, sculptors, architects, designers, photographers and ceramists, make artworks. They learn skills to make different kinds of artworks in 2D, 3D and/or 4D forms. They learn to represent their ideas and interests with reference to contemporary trends.

Students learn about how art is shaped by different beliefs, values and meanings by exploring artists and artworks from different times and places and relationships in the art world between the artist – artwork – world – audience. They also explore how their own lives and experiences can influence their art making and critical and historical studies.

What will students learn to do?

Students learn to make artworks using a range of materials and techniques in 2D, 3D and/or 4D forms, including traditional and more contemporary and digital technologies to build a variety of artworks over time. They learn to develop their research skills, approaches to experimentation and how to make informed personal choices and judgements. They learn to record procedures and activities about their artmaking practice in their Visual Arts Diary.

They learn to investigate and respond to a wide range of artists and artworks in art making, critical and historical studies. They also learn to interpret and explain the function of and relationships in the art world between the artist – artwork – world – audience to make and study artworks.

Students will use a Visual Arts Process Diary to record their ideas and learning, whilst producing their artworks.

Course Requirements

Students are required to produce artworks and record work in a Visual Arts Diary.

WORK EDUCATION

Materials Required: Exercise book and writing equipment

Course Cost: Nil

Course Description:

Work Education provides students with opportunities to develop knowledge and understanding of the world of work, including its dynamic and diverse nature. Students prepare for the working world by developing an understanding of the roles of education, training and employment, and an appreciation of the role of lifelong learning in career development and managing transitions. They develop transferable work-related skills, including interpersonal skills and entrepreneurial behaviours.

What will students learn about?

Work Education provides opportunities for students to explore the nature of work and current workplace issues, including the rights and responsibilities of employees and employers, and workplace safety. The purpose and roles of education, employment and training organisations in planning and managing their own transitions are investigated. Students are encouraged to explain their personal goals, attributes and values to inform choices and career pathway plans.

Students develop skills, attributes and entrepreneurial behaviours for effective participation in work and society, including skills related to career development and managing transitions. They develop research and communication skills that relate to the world of work and have opportunities to use appropriate forms to communicate information for different audiences.

Work Education provides opportunities for community and work-based learning, enabling students to explore possible future work options and career pathways.

A range of study topic will be taught from the following options:

- What is Work?
- Transitions and Wellbeing
- Communication and Collaboration
- Technology in the Workplace
- Workplace Safety
- Workplace Rights and Responsibilities
- Exploring Post-school Pathways
- Managing Transitions
- Workplace Environments
- Enterprise and Entrepreneurial Behaviours
- Preparing for the Workplace
- Managing Finances
- Workplace Issues
- Community Participation

INTEREST / ENRICHMENT COURSES

The interest / enrichment electives will not form part of student's Record of School Achievement.

ANCIENT MYSTERIES AND CONSPIRACY THEORIES

Materials required: Notebook

Course Cost: Nil

Course Information:

This course is designed for the student who loves the study of ancient mysteries and conspiracy theories and would like more time to explore these events in greater depth and detail. The emphasis will be on unlocking some of the great mysteries of ancient times and how they relate to events on earth today. Students will spend the first half of the year examining some of the great mysteries surrounding the Egyptians and what their real purpose was for some of their most famous constructions.

Students will unlock some of the great mysteries about the worship of ancient gods and examine if there in fact any truth to ancient alien theorists. A point of particular interest in the course will be looking at the relationship between worship across a range of cultures and the common use of celestial charts as a focus for religious events and festivals. Close inspection will reveal unexpected outcomes.

The second half of the year the focus will be on how a number of ancient mysteries and conspiracy theories share a common background and focus that generally relate back to major events in history, particularly the twelfth century BCE.

Case studies will include The Knights Templar and what they uncovered during the First Crusade that gave them such power, the OAK Island money pit-what is really at the bottom of this ancient construction? The course will also examine the surprising answer to why Stonehenge was really constructed, who built the giant glyphs at Nazca, what is the purpose of the Easter Island Maoi's and how ancient people moved such large objects.

Students will enjoy these studies as well as many more to immerse them in to both human history and the mysteries and conspiracies that surround much of our history.

BEGINNER'S GUIDE TO CAR RACING AND RESTORATION SKILLS

Materials Required: Sturdy leather shoes

Course Cost: \$30.00

Course Information:

Students in this course will undertake and learn the skills of working on and restoring cars and bikes. These skills include engine building, polishing and revitalising metals, panel beating, minor repairs and rust removal.

Students will have the chance to work on, prepare and improve a number of genuine race cars which will be racing throughout the year. This is a hands-on course where students practise and hone their skills on second hand bits provided by the community and bikes brought in by the students in the school's auto-bay.

Students will learn about suspension, engines, tyres and all of the things required to keep a race car going consistently fast in a reliable way.

Students will also learn driving skills on a race car simulator as well as well as develop a greater understanding of the history of previous drivers and cars with a particular emphasis on Bathurst.

A trip to the Bathurst car racing museum at Mt Panorama is an added attraction. Opportunities may come up throughout the year to attend some real races as well as visits to other race related industries during school time.

EXTENSION MATHS

Materials Required: Workbook and writing equipment
Scientific Calculator

Course Cost: Nil

Course Information:

This course encourages students to refine the skills necessary for future studies of Mathematics in the senior school. This course is designed for those students wishing to study Mathematics Advanced or Mathematics Extension One in Years 11 and 12.

What will students learn about?

Students study four option topics per semester from the following list of options:

Students study four option topics per semester from the following list of options:

- Polynomials
- Vectors
- Matrices
- Binomial Theorem
- Basic Trigonometry
- Further Algebra
- Introductory Calculus
- Permutations / Combinations
- Further Trigonometry
- Functions
- Parabolas

- Mathematics Competition Questions
- Logarithms
- Sequences and Series
- Quadratic Polynomial

MATHS FOR EVERDAY DAY LIFE

Materials Required: Workbook and writing equipment
Scientific Calculator

Course Cost: Nil

Course Information:

This course enables the student to learn the value of Mathematics and its use in everyday life situations.

What will students learn about?

Student's study and review arithmetic skills they can apply in their personal lives and in their future careers. The first semester of the course begins with a focus on occupational topics; it includes details on jobs, wages, deductions, taxes, insurance, recreation and spending, and transportation. In the second semester of Consumer Math, students learn about personal finances, checking and savings accounts, loans and buying on credit, automobile expenses, and housing expenses.

This course also provides the students with additional skills and pre-requisite knowledge for students wishing to study trades when they leave school. Topics studied include Measurement- Perimeters/Areas/Surface Areas/ Volumes, house plans, Pythagoras and Trigonometry.

MURAL ART

Course Cost: \$20.00

Course Information:

A structured program focused on mural art, with the view to setting up teams to decorate walls around Lithgow High School with high quality mural designs. Students will learn how to prepare surfaces, create designs, transfer designs to surfaces, stenciling and application of pigments.

ZOOLOGY

Materials required: Workbook and writing equipment

Course Cost: Nil

Optional excursions (Sydney Zoo and Bathurst Dinosaur and Mineral Museum) will incur costs which will be announced closer to the date.

Course Information:

Zoology is the scientific study of all life within the animal kingdom. This course will introduce students to a detailed analysis of a wide range of animals' physical features, what they eat, the way they behave, and the impact humans have upon them. In their exploration of animals as diverse as sponges, jellyfish, insects, dinosaurs, birds and even humans, students will be introduced to the scientific fields of biomedical research, paleontology, marine biology, and biotechnology, including 3D printing practical experiences. This course is designed as an extension style course that takes students beyond the core Science syllabus and is designed to inspire a life-long fascination of the living world.

What will students learn about?

- animal classification across the entirety of the animal kingdom
- animal psychology and behaviour
- evolution and extinction including that of primates and the future evolution of humans
- marine biology
- morphology and complex life cycles of animals
- biotechnology and biomedical research
- anthrozoology – the influence and impact of humans on other animals (including befriending animals as pets!)

Online Subject Selection Instructions Stage 5 - 2024

You will be issued your Edval elective selection WebCode through your DEC student email. The subject selection form will be open from 8:00 am **Thursday 9th August 2023** till 9:00 pm **Friday 18th August 2023**.

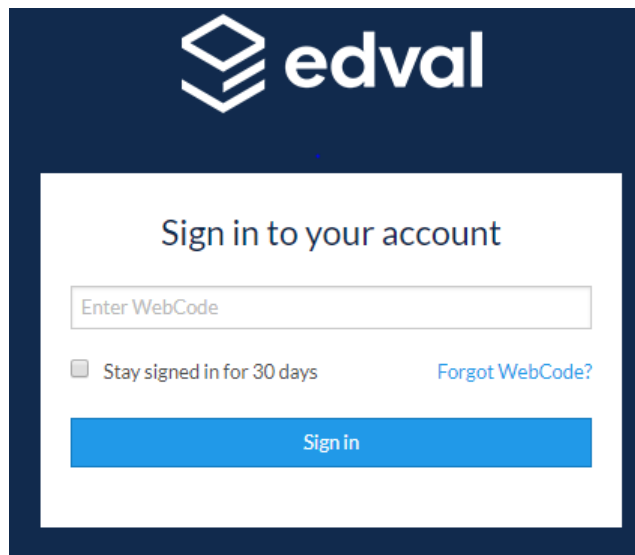
Please make sure you are at a computer which can print your subject selections. If you do not have computer and printer access at home you can make your selections on one of the desktop computers in the Library.

Step 1:

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

Step 2:

Enter your web-code in the link



Step 3:

Select the box below to open the web form.

STAGE 5 2024 ELECTIVE CHOICES 2024

Open for submission

Step 4:

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

Choice Peter Pan (Test student Yr10)

Stage 5 2024 Elective Choices

Main Units	Subject	Units
Elective Choice 1	No selection	\$0 0
Elective Choice 2	No selection	\$0 0
Elective Choice 3	No selection	\$0 0
Total		\$0 0

Reserve Units	Subject	Units
Reserve 1	No selection	\$0 0
Reserve 2	No selection	\$0 0
Reserve 3	No selection	\$0 0
Total		0

Cancel Submit

Notes

Stage 5 - 2024 Elective Selection.
Please select three electives for your Stage 5 - 2024 preferences.
You may only choose ONE interest/enrichment elective (*).
You will also need to select 3 reserves.

Step 5:

Enter your subject selections using the drop-down lists. Your choices should be entered in **preferential order**.

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

Choice Peter Pan (Test student Yr10)

Stage 5 2024 Elective Choices

Main Units	Subject	Units
Elective Choice 1	Dance	\$0 2
Elective Choice 2	Food Technology (\$80.00)	\$80 2
Elective Choice 3	Ancient Mysteries & Conspiracy T1	\$0 2
Total		\$80 6

Reserve Units	Subject	Units
Reserve 1	Music (\$20.00)	\$20 2
Reserve 2	Commerce	\$0 2
Reserve 3	Industrial Technology - Wood/Met	\$50 2
Total		6

Cancel Submit

Notes

Stage 5 - 2024 Elective Selection.
Please select three electives for your Stage 5 - 2024 preferences.
You may only choose ONE interest/enrichment elective (*).
You will also need to select 3 reserves.

The form will display the cost of electives which require a fee and a Total of 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 **Friday 18th August 2023**.

Stage 5 2024 Elective Choices



Student name: **Peter Pan (Test student Yr10) (DUMMY!10)**

Notes: **Your choices are registered.**

Submitted date: **Sun 6 Aug 2023 14:00:23**

Main units

Main Units	Subject		Units
5DAN	Dance		2
5FT	Food Technology	\$80.00	2
5AMC	Ancient Mysteries & Conspiracy Theories*		2

Total electives : **\$80.00**

Total units: **6**

Reserve units

Reserve Units	Subject		Units
5MUS	Music	\$20.00	2
5COM	Commerce		2
5ITM	Industrial Technology - Wood/Metal	\$50.00	2

Total units: **6**

Please get form signed, and return to school by Friday 18th August.

Signature: _____
Parent / Carer

PLEASE REMEMBER:

The online entry of subject selection must be completed by Friday 18th August 2023.

The signed hard copy of your selections must be submitted to Mrs. Farebrother by **Friday 18th August 2023**.

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