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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
Drama	NIL
Engineering Studies	\$50
Film and Digital Media	\$30
Food Technology	\$80
History Elective	NIL
Industrial Technology - Automotive	\$50
Industrial Technology – Building & Construction	\$50
Industrial Technology - Metals	\$50
Industrial Technology - Timber	\$50
Information & Software Technology	NIL
International Studies	NIL
iSTEM	\$25
Japanese	NIL
Music	NIL
Photography	\$50
Physical Activity & Sports Studies	NIL
Textiles Technology	\$50
Visual Arts	\$60
Work Education	NIL

Interest / Enrichment Courses

Ancient Mysteries And Conspiracy Theories	NIL
Big History	NIL
Car Restoration Skills	NIL
Maths for Everyday Life	\$30
Extension Maths	NIL
Human Biology	NIL
Mural Art	\$20
Musical Theatre Studies	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

Course Cost: \$35

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

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.

Course cost: Nil

Materials required: Workbook and writing equipment

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 and 30 hours duration.

The syllabus modules are:

- Preparing for parenthood
- Conception to birth
- Family interactions
- Newborn care
- Growth and development
- Play and the developing child
- Health and safety in childhood
- Food and nutrition in childhood
- Children and culture
- Media and technology in childhood
- Aboriginal cultures and childhood
- The diverse needs of children
- 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

Course Cost: Nil

Materials Required: Workbook and writing equipment

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.

DRAMA

Course Cost: Nil

Materials required: Workbook and writing equipment

Course Description

Drama enables young people to develop knowledge, understanding and skills individually and collaboratively to make, perform and appreciate dramatic and theatrical works. 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.

What will students learn about?

All students undertake a unit of playbuilding in every 100 hours of the course. Playbuilding refers to a group of students collaborating to make their own piece of drama from a variety of stimuli. At least one other dramatic form or performance style must also be studied in the first 100 hours. Examples of these include improvisation, mime, script, puppetry, small screen drama, physical theatre, street theatre, mask, comedy and Shakespeare. Students also learn about the elements of drama, various roles in the theatre, the visual impact of design, production elements and the importance of the audience in any performance.

What will students learn to do?

Students 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.

ENGINEERING STUDIES

Course Cost: \$50

Materials required: A4 writing pad
Calculator
Geometry set

An academically rigorous course developing and applying mathematical and scientific skills and knowledge to solve engineering problems. The Engineering focus area provides opportunities for students to develop knowledge, understanding and skills in relation to engineering and its associated industries.

The Engineering 1 core module includes common content and topic content that develops knowledge and skills in the use of tools, materials and techniques related to Engineered Structures and Engineered Mechanisms.

These are enhanced and further developed through the study of specialist modules in:

- Alternative Energy
- Control Systems
- School-Developed Module
- Transport

Practical projects reflect the nature of the Engineering focus area and provide opportunities for students to develop specific knowledge, understanding and skills related to engineering. These may include:

- a range of devices and appliances
- electronic and mechanical control systems
- programmable microcontrollers
- robotics projects
- small structures
- small vehicles

Projects promote the sequential development of skills and reflect an increasing degree of student autonomy as they progress through the course.

FOOD TECHNOLOGY

Course Cost: \$80

Materials Required: Sturdy protective footwear
Hair restraints
Workbook
Plastic container to transport food

Course Description

The study of Food Technology provides students with a broad knowledge and understanding 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 will learn about food in a variety of settings, enabling them to evaluate the relationships between food, technology, nutritional status and the quality of life. The major emphasis of the Food Technology syllabus is on students exploring food-related issues through a range of practical experiences, allowing them to make informed and appropriate choices with regard to food. 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

What will students learn to do?

The major emphasis of the Food Technology syllabus is on students exploring food-related issues through a range of practical experiences, allowing them to make informed and appropriate choices with regard to food. Integral to this course is students developing the ability and confidence to design, produce and evaluate solutions to situations involving food. They will learn to select and use appropriate ingredients, methods and equipment safely and competently.

HISTORY ELECTIVE

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

INDUSTRIAL TECHNOLOGY- AUTOMOTIVE

Course Cost: \$50

Materials required: A4 folder
A4 writing pad
Sturdy covered shoes

Course Information:

The Automotive focus area provides opportunities for students to develop knowledge, understanding and skills in relation to automotive and associated industries.

The Automotive 1 core module develops knowledge and skills in the use of tools, materials and techniques related to automotive maintenance and repair. These are enhanced and further developed through the study of the Automotive 2 specialist module.

Practical projects reflect the nature of the Automotive focus area and provide opportunities for students to develop specific knowledge, understanding and skills related to automotive-related technologies. These may include:

- automotive restorations
- maintenance and repair of small engines
- making metal tools and parts
- repairing metal components
- rebuilding or restoring automotive components.

Projects promote the sequential development of skills and reflect an increasing degree of student autonomy as they progress through the course.

INDUSTRIAL TECHNOLOGY BUILDING AND CONSTRUCTION

Course Cost: \$50

Materials required: A4 folder
A4 writing pad
Sturdy covered shoes

Course Information

The Building and Construction focus area provides opportunities for students to develop knowledge, understanding and skills in relation to the building and associated industries.

The Building and Construction 1 core module develops knowledge and skills in the use of tools, materials and techniques related to building and construction.

These are enhanced and further developed through the study of the Building and Construction 2 specialist module.

Projects reflect the practical nature of the Building and Construction focus area and provide opportunities for students to develop specific knowledge, understanding and skills related to building and construction technologies.

These may include:

- construction of small structures
- scale models
- elementary repairs and renovations
- development of garden and recreational areas
- work undertaken on isolated building models and mock-ups.

Projects promote the sequential development of skills, use a range of appropriate materials and reflect an increasing degree of student autonomy as they progress through the course.

INDUSTRIAL TECHNOLOGY - METALS

Course Cost: \$50

Materials required: A4 folder
A4 paper
Pencils, pens, ruler
Sturdy covered shoes

Course Information:

The Metal focus area provides opportunities for students to develop knowledge, understanding and skills in relation to the metal and associated industries.

The Metal focus area comprises two content areas:

Metal

The Metal 1 core module develops knowledge and skills in the use of tools, materials and techniques related to general metalwork. These are enhanced and further developed through the study of specialist modules in Metal Machining and Fabrication.

Practical should reflect the nature of the Metal focus area and provide opportunities for students to develop specific knowledge, understanding and skills associated with metal-related technologies. These may include:

- fabricated projects
- metal machining projects
- sheet metal products

INDUSTRIAL TECHNOLOGY - TIMBER

Course Cost: \$50

Materials required: A4 Display Folder
Pencils, pens, ruler
Sturdy covered shoes

Course Information:

The Timber focus area provides opportunities for students to develop knowledge, understanding and skills in relation to the timber and associated industries.

The core module develops knowledge and skills in the use of tools, materials and techniques related to timber which are enhanced and further developed through the study of a specialist module.

Practical projects undertaken will reflect the nature of the Timber focus area and provide opportunities for students to develop specific knowledge, understanding and skills related to timber technologies. These may include:

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

Projects promote the sequential development of skills and reflect an increasing degree of student autonomy as they progress through the course.

INFORMATION AND SOFTWARE TECHNOLOGY

Course Cost: Nil

Materials required: 100 page A4 book or folder with individual sheets of paper
Blue and red pens, pencils, a ruler

Course Description

People will require highly developed levels of computing and technology literacy for their future lives. Students therefore need to be aware of the scope, limitations and implications of information and software technologies.

Individual and group tasks, performed over a range of projects, will enable this practical-based course to deliver the relevant knowledge and skills needed by students. Development of technology skills and information about career opportunities within this area are important aspects of the course.

What will students learn about?

The core content to be covered in this course is integrated into the options chosen within the school. The course has been designed with an emphasis on practical activities that allow students to sustain focus in a range of interest areas at some depth.

The option topics to be studied within this course include:

- Artificial Intelligence, Simulation and Modelling
- Authoring and Multimedia
- Internet and Website Development
- Software Development and Programming
- Robotics and Automated Systems.

What will students learn to do?

Students will identify a need or problem to be solved, explore a range of possible solutions and produce a full working solution. They will use a variety of technologies to create, modify and produce products in a range of media formats.

Group and individual project-based work will assist in developing a range of skills, including research, design and problem-solving strategies over the chosen topics.

INTERNATIONAL STUDIES

Materials Required: Exercise book and writing equipment

Course Cost: Nil

Course Description:

International Studies is an interdisciplinary course that provides a unique conceptual framework for the study of culture, and the promotion of intercultural understanding. Through education, travel, work and trade, students increasingly understand how the study of culture requires knowledge to inform values and develop individual and community participation, action and commitment to be a global citizen.

International Studies provides students with an opportunity to explore and recognise their own cultures and appreciate the richness of multicultural Australia and the world. As Australia is part of the Asia-Pacific region, the course lends itself to an emphasis on, but is not limited to, this region. They gain knowledge of different cultural practices, values, beliefs and heritages to form a broader worldview. They gain the skills to recognise fact, detect bias and challenge stereotypes by exploring cultural difference and interconnectedness. This enables them to understand and value inclusion, and to respect the rights of others. Students learn to conceptualise and explore interrelationships and empathise with others at a local, national, regional and global level.

In summary, International Studies equips students with intercultural sensitivities and the critical skills of analysis and intercultural understanding to participate in and contribute to building a cohesive and just world.

What will students learn about?

Students will study the core topic *Understanding culture and diversity in today's world* and a combination of the following:

- Culture and Beliefs
- Culture and Gender
- Culture and the Media
- Culture on the move
- Culture and Travel
- Culture and the Performing Arts

- Culture in Art and Architecture
- Culture in Film and Literature
- Culture and Sport
- Culture and Food
- Culture, Science, Technology and Change

iSTEM – (INTEGRATED SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS)

Course Cost: \$25

Materials required: Students BYOD

Course Description:

STEM refers to science, technology, engineering and mathematics. The importance of STEM disciplines for the future economic and social wellbeing of Australia cannot be underestimated. International research indicates that 75 per cent of the fastest growing occupations require STEM skills and knowledge.

Selection into the iSTEM, gifted and talented class is predominately by invitation only. Students are selected due to their aptitude in Mathematics, Science and Technology. Students with a particular interest in STEM subjects may self-nominate via the Head Teacher, TAS, Mr. Brownlow.

iSTEM is a School Developed Board Endorsed Course. This means that student's success is recognised on their Record of School Achievement (RoSA) in Year 10. It has been an outstanding success and in 2017 will be adopted by around 90 schools throughout NSW. It covers a number of modules in the fields of science, technology and engineering.

Class members have the option to participate in a variety of competitions and STEM based intervention programs during the course. Students will also study a variety of themed units of work focusing on the application of science, technology, engineering and mathematics to real life, through inquiry based learning techniques.

STEM activities may include:

- Science and Engineering Challenge
- Electric Vehicle Festival
- F1 in schools
- REA 4x4 Challenge
- Challenge days
- RoboCUP and Robotics challenge
- Excursions
- Major Research Projects
- The national Science Poster Competition
- First Robotics Challenge

The main purpose of this Board of Studies endorsed course is to better engage students in science, technology, engineering and mathematics. It is meant to challenge and excite students with the possibilities of the future. It involves many 21st century learning opportunities and emphasizes inquiry based learning where students are encouraged to learn by doing.

For further information do not hesitate to contact the schools STEM coordinator Mr. Peter Brownlow, email peter.brownlow@det.nsw.edu.au

JAPANESE

Materials Required: Exercise book and writing equipment

Course Cost: Nil

Course Description:

Japanese is the official language of Japan, one of Australia's northern neighbours in the Asia region. There are also large Japanese-speaking communities in Hawaii, Peru and Brazil. Australia has a significant number of Japanese national residents, particularly in the major cities on the eastern seaboard. 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.

The study of Japanese provides access to the language and culture of one of the global community's most technologically advanced societies and economies. Students engage with elements of modern Japan, including popular culture such as anime, manga, music and fashion, as well as with the rich cultural tradition of this part of Asia. Students develop an appreciation for the place of Australia within the Asia region, including the interconnections of languages and cultures, peoples and communities, histories and economies.

The ability to communicate in Japanese provides incentives for travel and for more meaningful interactions with speakers of Japanese, encouraging sociocultural understanding between Australia and Japan, and cohesion within the Australian community. It also provides opportunities for students to gain insights into the contributions that have been made by Japanese-speaking communities to Australian society and to the global community.

What will students learn about?

By the end of the course, students will be able to:

- manipulate Japanese in sustained interactions with others to exchange information, ideas and opinions
- create a range of bilingual texts and resources for the school and wider community.
- apply pronunciation, intonation and phrasing patterns of spoken Japanese
- write texts comprising hiragana, katakana and familiar kanji, using knowledge of familiar kanji to predict the meaning of new vocabulary.
- examine the impact of factors such as media, technology, globalisation and popular culture on Japanese
- explain how and why language use varies according to social and cultural contexts, relationships between participants and textual purpose
- reflect on their intercultural experiences, recognising how cultural identity influences ways of communicating, thinking and behaving.

Benefits of the course:

Learning languages provides the opportunity for students to engage with the linguistic and cultural diversity of the world and its peoples. Students broaden their horizons in relation to personal, social, cultural and employment opportunities in an increasingly interconnected and interdependent world. Proficiency in languages provides a national resource that serves communities within Australia and enables the nation to engage more effectively with the global community. Contemporary research and practice have established a clear link between the learning of languages and improved literacy skills. Through the development of communicative skills in a language and understanding of how language works as a system, students further develop literacy in English, through close attention to detail, accuracy, logic and critical reasoning. Learning languages exercises students' intellectual curiosity, increases metalinguistic awareness, strengthens intellectual, analytical and reflective capabilities, and enhances creative and critical thinking.

MUSIC

Course Cost: Nil

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

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.

PHOTOGRAPHY

Course Cost: \$50

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

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

Course Cost: Nil

Materials required: Change of clothes for practical lessons
Workbook for theory lessons

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
Event Management
Australia's Sporting Identity
Nutrition and Physical Activities

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

TEXTILES TECHNOLOGY

Course Cost: \$50

Materials required: A3 folio, pencils, pens, and ruler
Sturdy, covered shoes
Sewing kit

Course description

The study of Textiles Technology provides students with knowledge of the properties, performance and uses of textiles. They explore fabrics, yarns, fibres and colouration. Students examine the historical, cultural and contemporary perspectives on textile design and develop an appreciation of the factors affecting them as textile consumers. Students investigate the work of textile designers and make judgements about the appropriateness of design ideas, the selection of materials and tools, and the quality of textile items. Textile projects give students the opportunity to be creative, independent learners and to explore functional and aesthetic aspects of textiles.

What students learn

Students learn about textiles through the study of different focus areas that recognise the following fields of textiles:

- Apparel
- Furnishings
- Costume
- Textile Arts
- Non-apparel.

Project work enables students to discriminate in their choices of textiles for particular uses. The focus areas provide the context through which the three areas of study – Design, Properties and Performance of Textiles, Textiles and Society are covered.

Design ideas and experiences are documented to communicate evidence of the processes of designing, producing and evaluating. Students learn about Work Health and Safety issues, and learn to select, use and manipulate appropriate materials, equipment and techniques to produce quality textile projects.

Course requirements

To satisfy the requirements of the syllabus, 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 equipment.

VISUAL ARTS

Course Cost: \$60

Materials required: Visual Arts Process Diary (VAPD)

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 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 keep 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 topics will be taught from the following:

- 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

Course Cost: Nil

Materials required: Notebook

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 Maori'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.

BIG HISTORY - THE HISTORY OF EVERYTHING

Course Cost: **NIL**

Materials required: Workbook and writing equipment

Course Description

Big History tells the story of the Universe starting from the Big Bang, the formation of stars, planets, life on Earth, modern civilisation - and what might exist in the future. Big History delivers a big picture look at the world, and helps students develop a framework to organise what they're learning both in and out of school. Students will have a better understanding of how we got here, where we're going, and how they fit in. Big History explains how the world today is a place that was 13.8 billion years in the making.

What Will Students Learn About?

Big History is not about specialising in one topic or time period in history. Instead, Big History searches for universal patterns throughout time. It examines long term trends using a multidisciplinary approach that incorporates history, geography, science, economics and art.

Students will learn about our Universe, the Cosmos, the beginnings of life on Earth, the development of humanity, the rise and fall of civilisations, the destructive nature of the 20th Century, the dominance of technology in the 21st Century and consider where our world is heading.

Students will examine the merits of competing ideologies and economic systems, including socialism, capitalism, democracy and autocracy.

Students will examine the foundations and development of religions, including Christianity, Judaism and Islam, in order to understand their impact on the world today.

Big History helps student understand their world and their place in history.

What Will Students Learn To Do?

Students will learn to think critically and evaluate evidence. Students will learn to view the world within the framework of cause and effect, significance, continuity and change, perspective, empathy and ethical considerations.

Students will learn to see the world around them as interconnected and understand how the past has shaped the world they live in today.

Big History will help make students better citizens and the future leaders of their communities. Understanding the past helps students successfully navigate their future.

CAR RESTORATION SKILLS

Course Name: Car Restoration Skills

Course Cost \$30.00

Course Description: 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. This is a hands on course where students practise and hone their skills on second hand bits provided by the community or bikes etc brought in by the students from home.

Whether you want to work in the automotive industry or just enjoy the hobby, this course will be enjoyable and provide you with the foundation skills to set you up for a rewarding future of playing around with cars and bikes.

EXTENSION MATHS

Course Cost: Nil

Materials Required: **Workbook and writing equipment**
Scientific Calculator

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

FILM AND DIGITAL MEDIA

Course Cost: \$30

Material required: Workbook and writing equipment
Headphones/earphones

Course Information:

This is a course for students with an interest in using digital technologies as a medium for creativity. There will be opportunities for students to work individually and in groups to produce short films, animations, digital graphics and other technology-based forms. Students will write scripts and storyboards to develop narratives through moving pictures that explore a variety of subject matters. Some students will have the opportunity to be involved in filming and creating digital promotions for various school events including the musical production, concerts, exhibitions.

Students will analyse films of PG rating, to investigate art direction, structure, technique, undertaking critical and historical studies of the medium. **Parental permission MUST be given for students to study this course.**

Students will learn about:

- The history of film and other moving image digital technologies
- The applications of film and other moving image digital technologies
- Important elements of scriptwriting and storyboarding in film and animations
- Important camera and lighting techniques
- Advantages and disadvantages of digital technologies in creative production

Students will learn to:

- Use a variety of digital software and applications to create moving picture narratives
- Produce a portfolio of visual documentation (stills etc.) of each digital project
- Keep a journal which includes other documentation of projects such as scripts, storyboards, character descriptions, location descriptions, lighting and effects etc/

HUMAN BIOLOGY

Course Cost: Nil

Materials required: Workbook and writing equipment

Course Information:

This course provides an overview of the human body, nutrition, health and disease, and introduces human body structure and function through a body systems approach. Students will cover: cell biology and biochemistry, human body systems, musculoskeletal anatomy with a focus on major muscle groups used in a variety of sporting/exercise and dance activities, human health and nutrition, disease, genetics and reproduction.

This course is designed as a broadly based introduction to human health and biology and is useful for students who enjoy science; students who may be considering future study and work opportunities in health and medical sciences or exercise/personal training; or students who are simply curious about understanding more about how amazing the human body is.

What will students learn about?

- The structure of the human body, its organs and organ systems.
- How the human body works in health and disease.
- Functions of the major muscle groups and joints, and exercises to target these groups.
- Applications of science and research in developing a better understanding of the human body and health.
- Study and job opportunities in the health and medical science and related industries such as exercise and fitness.

MATHS FOR EVERYDAY DAY LIFE

Course Cost: Nil

Materials Required: Workbook and writing equipment
Scientific Calculator

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.

The program will have a theory component centered on well-known street art practitioners such as Banksy, Shepherd Fairy, Julian Beever and others.

MUSICAL THEATRE STUDIES

Course Cost: Nil

Materials Required: Workbook and writing equipment
A4 plastic sleeve display folder
Headphones/earphones

Course Information:

This course is for students with a passion for musical theatre – in performance, or technical production, or its composition and design. It is beneficial for students wishing to be involved in LHS musical productions as the course fosters the development of skills for both on-stage, musicians, and backstage roles. It develops skills for preparing auditions, working collaboratively and efficiently in productions, and designing and creating for musical theatre.

What will students learn about?

- Music, design, staging, performing the different types of songs in musicals
- Music, design, staging, performing in different styles/genres of musicals
- Considerations when choosing a production that suits performance at the school. They will compile a list of show possibilities to present to the Production Team.
- Musical theatre research/skills study in a Personal Interest Project – related to either a show, genre, theatre, design etc. With collaborative group-work, they will produce a short performance including design, acting and directing roles. These may be included in school concerts and community events.

What will students learn to do?

- Sing solo, duets, in ensembles with harmonies
- Memorise and deliver lines, songs and dances in 'character'
- Organise time and rehearsal schedules
- Design and organise costumes, props, sets, sound and lighting cues
- Work as or with live musicians for productions
- Time will be allocated to design, create, rehearse for the current school production

Online Subject Selection Instructions Stage 5 - 2021

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 6th August, 2020** till 9:00 pm **Friday 14th August, 2020**.

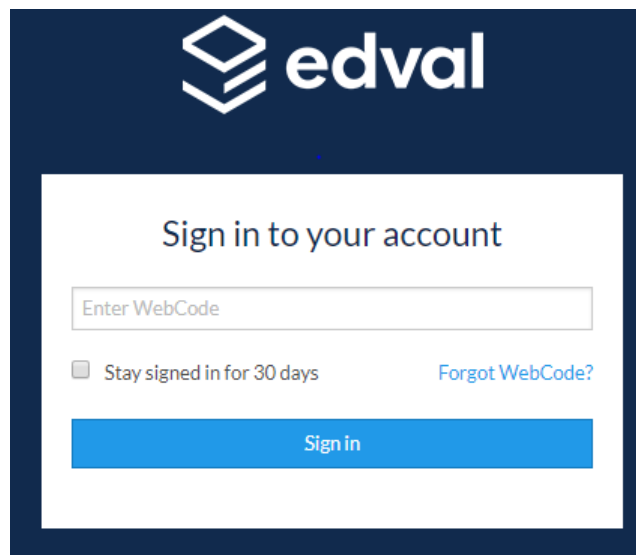
Please make sure you are at a computer which can print your subject selections. If you do not have computer and printer access at home you can make your selections on one of the desktop computers in the Library.

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 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 2021 ELECTIVE SELECTION FORM 2021

Open for submission

Step 4:

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

The screenshot shows the 'Stage 5 2021 Elective Selection Form' for a user named Peter Pan (Test student Yr10). The form is divided into two main sections: 'Main Units' and 'Reserve Units'. Each section contains three rows for selection, with columns for 'Subject', 'Fee', and 'Units'. All dropdown menus are currently set to 'No selection'. The 'Total' for both sections is \$0 and 0 units. A 'Cancel' button and a green 'Submit' button are located at the bottom. On the right side, there is a 'Notes' panel with instructions: 'Please select three electives for your Stage 5 - 2021 preferences. You may only choose ONE interest/enrichment elective (*). You will also need to select 3 reserves.'

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

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.

The screenshot shows the same 'Stage 5 2021 Elective Selection Form' but with subject selections made. In the 'Main Units' section, Elective Choice 1 is 'Aboriginal Studies' (\$0, 2 units), Elective Choice 2 is 'Industrial Technology - Automotiv' (\$50, 2 units), and Elective Choice 3 is 'Visual Arts (\$60.00)' (\$60, 2 units). The total is \$110 and 6 units. In the 'Reserve Units' section, Reserve 1 is 'Agricultural Technology (\$35.00)' (\$35, 2 units), Reserve 2 is 'Childhood Studies' (\$0, 2 units), and Reserve 3 is 'Dance' (\$0, 2 units). The total is \$35 and 6 units. The 'Notes' panel on the right remains the same.

Main Units			
Elective Choice	Subject	Fee	Units
Elective Choice 1	Aboriginal Studies	\$0	2
Elective Choice 2	Industrial Technology - Automotiv	\$50	2
Elective Choice 3	Visual Arts (\$60.00)	\$60	2
Total		\$110	6

Reserve Units			
Reserve	Subject	Fee	Units
Reserve 1	Agricultural Technology (\$35.00)	\$35	2
Reserve 2	Childhood Studies	\$0	2
Reserve 3	Dance	\$0	2
Total		\$35	6

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

Stage 5 2021 Elective Selection Form



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

Notes: **Your choices are registered.**

Submitted date: **Thu. 1 Jan. 1970 10:00:00**

Main units

Main Units	Subject	Fee	Units
5ABSA	Aboriginal Studies		2
5ITA	Industrial Technology - Automotive	\$50.00	2
5ARTB	Visual Arts	\$60.00	2

Total electives fee: **\$110.00** Total units: **6**

Reserve units

Reserve Units	Subject	Fee	Units
5AG	Agricultural Technology	\$35.00	2
5CHS	Childhood Studies		2
5DAN	Dance		2

Total units: **6**

Please get form signed, and return to school by Wednesday 19th August.

Signature: _____

Parent / Carer

Exit

Print

Send email

Step 7:

Please print this 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 19th August, 2020.**

PLEASE REMEMBER:

The online entry of subject selection must be completed by Friday 14th August, 2020

The signed hard copy of your selections must be submitted to Mrs. Farebrother by **Wednesday 19th August, 2020**

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