

Emerald

State High School



Polite • Prepared • Participate

YEAR 9

SUBJECT INFORMATION BOOKLET

2020



Publication date: October 2019



Table of Contents

Structure of Year 9 timetable	Page 2
General information to parents	Page 3
USI number	Page 4
Support Services and Heads of Department	Page 5

Core Subjects

All students study the following each week:

English	Page 6
Mathematics	Page 6-7
History/Geography	Page 8
Health and Physical Education	Page 9
Science	Page 9

Students then choose 2 different electives which they will study for 2 lessons/week for the entire year.

The options to choose from are:

STEM	Page 10
Japanese	Page 10
Home Economics*	Page 11
Civics and Citizenship and Business and Economics	Page 11
Music	Page 12
Visual Arts*	Page 12
Drama	Page 13
Media Arts	Page 13
Design and Technologies	Page 14
Graphics and Design	Page 14-15
Digital Technologies	Page 15
For use by students:	Page 16

The order of preference of elective subjects

* Note: Home Economics and Visual Arts have an additional cost to the Student Resource Scheme (SRS). All fees must be paid for students to remain in these subjects as per the agreement if you opt in to the SRS.

General information to parents:

All electives are chosen using OneSchool. Time will be provided to all students to select these at school. They can also be accessed at home at <https://oslp.eq.edu.au> and the student uses their school username and password to access. Once all students have selected their subjects, the access will be locked and no further editing will be possible.

Should insufficient numbers of students choose a particular elective/s, then this subject won't be viable to run. Students will be contacted individually and asked to choose another elective.

Once next year's timetable is complete, this will be printed and sent home to parents for signing.

In the new year, student timetables will be available to parents via QParents and to students via their school email. Students will have their timetable emailed to their school email address. This can be accessed via <https://owa.eq.edu.au> and students enter their username and password that they use at school.

The details listed on the following pages are a guide as to what is involved in each subject:

- ❖ Title of subject
- ❖ Cost of subject
- ❖ Topics covered (in child friendly language)
- ❖ Assessment
- ❖ Excursions (if any)
- ❖ Where this subject leads to (school and possible jobs examples)
- ❖ Any pre-requisites (or if it is a pre-requisite for subjects in future year levels)
- ❖ Any necessary materials required for studying this subject.

UNIQUE STUDENT IDENTIFIER (USI) NUMBER

The USI (Unique Student Identifier) was introduced nationally on 1 January 2016 for all students studying VET qualifications. **The school will not be permitted to issue Statements of Attainment or Certificates after this date unless students have a USI.** Your student will be studying at least one VET qualification as part of their timetable.

A USI is effectively an account or 10 character alpha-numeric reference which will allow all of an individual's training records, entered in the National Vocational Education and Training (VET) data collection, to be linked. The USI will make it easier for students to find, collate and authenticate their VET achievements into a single transcript. It will also ensure that students' VET records are not lost.

The USI will be available online and at no cost to the student. It will stay with the student for life and be recorded with any nationally-recognised VET course that is undertaken.

In order to obtain a USI, students are required by the federal government to provide one of the following forms of identification, such as:

- Australian Birth Certificate (full certificate)
- Medicare Card
- Australian Passport
- VISA (for international students)
- Drivers Licence
- Citizenship Certificate

Students should note that they will be unable to undertake a VET qualification without a USI, so it is critical that they register for one as a matter of urgency. In order to obtain a USI, students need to log on to <http://usi.gov.au> and click on the "Create USI" icon. They should have one of the above identifications on hand, then click "Create your USI now" and follow the directions.

Once the application is complete, and a USI has been obtained, students need to fill out the section below, detach and return it to the school. Students should also **keep a copy** of their USI in their records at home.

If you have difficulties registering for a USI please see our Work Placement Coordinator, Mrs Alarna Wills in Library.

I have successfully completed the USI registration and I authorise my USI to be entered and stored in school records for VET purposes. Record this information here and ensure that a copy of this is provided to Mrs Annette Carter acart163@eq.edu.au before the end of year 9 (or in the case of new enrolments – given to Office upon enrolment.)

Student Name: _____ Year Level: _____

Student Signature: _____ Date: _____

The USI I have been issued is:
[PLEASE PRINT CLEARLY]

--	--	--	--	--	--	--	--	--	--

SUPPORT SERVICES

If you require guidance or further information regarding subject choices and career options please make contact with the following people:

Careers Guidance Team

Subject Selection/Changes and Career Advice:

Guidance Officer:

Valda Fitzgerald



School Based Traineeships/Apprenticeships:

Work Placement Coordinator:

Alarna Wills



Heads of Department

If you require further information regarding specifics on subject choice, please make contact with the appropriate Head of Department through the school main office:

SUBJECT	HEAD OF DEPARTMENT
English	Gabrielle Hunt
Mathematics	Nazim Nahroon
Science	Aneel Dewan
Humanities	Kerrie-Ann Van Hees
HPE and Japanese	Rebekah Pillay
Arts	Lucy Ferrara
Technology	Noel Cavanagh
VET	Annette Carter
Special Education Services	Deanne Lucht

ENGLISH

COST OF SUBJECT: All costs covered by the Student Resource Scheme.

TOPICS COVERED

'Advance Australia: Persuasive Speech' and 'the Australian Identity'

Unidentified Objects: Speculative Fiction

Fight for Your Right: '12 Angry Men' and 'The Hunger Games'

ASSESSMENT

Advance Australia: 1. Persuasive Speech

Unidentified Objects: 2. Short Story

Fight for Your Right: 3. Feature Article, 4. Analytical Essay

EXCURSIONS- NIL

PATHWAY

English will impact on every subject at Emerald State High School. This subject provides the literacy skills that will be necessary for any pathway.

PRE-REQUISITE INFORMATION- This subject is compulsory

MATERIALS NECESSARY FOR THIS SUBJECT

1 Exercise book, Pen- blue/black, Pen- red, ruler, Pencil and Eraser, Highlighters

MATHEMATICS

COST OF SUBJECT: All costs covered by the Student Resource Scheme.

TOPICS COVERED

Term 1

Real numbers

Linear and non-linear relationships

Using units of measurement

Term 2

Patterns and algebra

Geometric reasoning

Pythagoras and trigonometry

Term 3

Real numbers

Money and financial Mathematics

Patterns and algebra

Data representation and interpretation

Term 4

Real numbers

Linear and non-linear relationships

Using units of measurement

Chance

ASSESSMENT

Term 1

Supervised assessment
Real numbers
Linear and non-linear relationships
Using units of measurement

Modelling and problem-solving task – Rain water tank

Term 2

Supervised assessment – Trigonometry and Algebra
NAPLAN ONLINE

Term 3

Problem Solving & Modelling Task (PSMT): Statistics
Exam – Index laws and Simple Interest

Term 4

Externally written exam – **Probability and Timescales**

EXCURSIONS: - nil

PATHWAY:

Mathematics is more than a subject that everyone in school needs to take. Many believe that Mathematics is only needed in the Science, Technology Engineering and Mathematics fields (STEM). That's true, Mathematics is absolutely essential in those fields, but it is also needed in many other fields including economics, many of the social sciences such as psychology and sociology, and in many of the arts and humanities disciplines including art, music, and mass communications. Mathematics has been called "the universal language".

PRE-REQUISITE INFORMATION - This subject is compulsory.

MATERIALS NECESSARY FOR THIS SUBJECT

1 scientific calculator, Ruler, Writing materials, 4x10mm Grid books

HISTORY

COST OF SUBJECT: All costs covered by the Student Resource Scheme.

TOPICS COVERED:

- UNIT 1: Industrial Revolution
- UNIT 2: WWII

ASSESSMENT:

- IA1 - Independent Source Investigation (Researching the Industrial Revolution)
- IA2 - Essay in Response to Historical Sources (Investigating the significance of the Anzac legend and Anzac Day)

EXCURSIONS: Nil

PATHWAY: History provides students with skills in research, writing and critical thinking skills. It is also excellent preparation for students wanting to progress to university especially in careers that focus on law, journalism, human resources, technical writing, teaching, public relations, government service, politics etc.

PRE-REQUISITE INFORMATION: This subject is compulsory

MATERIALS NECESSARY FOR THIS SUBJECT: Exercise book, folder with clear inserts, writing materials including colour pencils, scissors and glue.

GEOGRAPHY

COST OF SUBJECT: All costs covered by the Student Resource Scheme.

TOPICS COVERED: UNIT 1:

- UNIT 1: Biomes and Food Security
- UNIT 2: Geographies of interconnection

ASSESSMENT:

- IA2- Combination Response Test (Biomes)
- IA2 – Stimulus Response Test (Evaluating strategies for the Murray–Darling Basin)
- IA3 – Data Report (Investigating the interconnections of a multinational consumer product)

EXCURSIONS: Nil

PATHWAY: Geography is the study of the interaction between people and their environments, both natural and human. Geographers examine the places and regions resulting from such interactions and analyse the spatial characteristics of all manner of cultural, economic, political, and physical processes and relationships. Career pathways in geography include: environmental science, geology, mining and engineering, urban planning, surveying, teaching, geographical information systems technician, landscape architect, hydrologist, climatologist and many other university pathways.

PRE-REQUISITE INFORMATION: This subject is compulsory

MATERIALS NECESSARY FOR THIS SUBJECT: Exercise book, folder with clear inserts, writing materials including colour pencils, scissors and glue.

HEALTH and PHYSICAL EDUCATION (HPE)

COST OF SUBJECT: All costs covered by the Student Resource Scheme.

TOPICS COVERED: Respectful relationships, Sustainable health challenge, My social responsibility, and Active Aussies. Sports can include touch, netball, basketball, European handball, volleyball, athletics and other sports depending on teacher specialities.

ASSESSMENT: case study, Multimodal presentation, research task, and a collection of work

EXCURSIONS: NIL

PATHWAY: Can lead to senior Physical Education or Recreational Studies

PRE-REQUISITE INFORMATION: This subject is compulsory.

MATERIALS NECESSARY FOR THIS SUBJECT: You must have a bucket hat (school hat preferred), water bottle, closed in shoes for practical lessons and an exercise book, red and blue pens, coloured pencils, ruler, eraser, pencils, glue stick and a display folder for theory lessons.

SCIENCE

COST OF SUBJECT: All costs covered by the Student Resource Scheme.

TOPICS COVERED:

Term 1 Physics - Energy on the move and making waves
Term 2 Chemistry & Geology - Its elementary and changing earth
Term 3 Biology - My life in balance and responding to change
Term 4 Chemistry - Chemical patterns and heat and eat

ASSESSMENT:

- Exams/ Tests
- Experimental Investigations
- Research Tasks

EXCURSIONS:

Nil

PATHWAY:

Leads to General and Applied Science subjects in Senior – Chemistry, Biology, Physics and Science in Practice

PRE-REQUISITE INFORMATION: This subject is compulsory.

MATERIALS NECESSARY FOR THIS SUBJECT: Exercise book, red and blue pens, coloured pencils, ruler, eraser, pencils, glue stick, display folder, highlighters.

ELECTIVE SUBJECT: STEM

COST OF SUBJECT: All costs covered by the Student Resource Scheme.

TOPICS COVERED

- Introduction to EV3 LEGO Robotics
- Drone Applications – GIS, Surveying
- CREST program from CSIRO

ASSESSMENT:

- Experimental Investigations
- Folios of Work
- Exams/Tests

EXCURSIONS: Nil

PATHWAY: General and Applied Sciences in Senior

PRE-REQUISITE INFORMATION: Have studied Year 7 & 8 Science.

MATERIALS NECESSARY FOR THIS SUBJECT: Exercise book, red and blue pens, coloured pencils, ruler, eraser, pencils, glue stick, display folder, highlighters.

ELECTIVE SUBJECT: Japanese

COST OF SUBJECT: All costs covered by the Student Resource Scheme.

TOPICS COVERED: Life Stories, What are social issues, How big is the generation gap?, What are our global connections?

ASSESSMENT: Comprehension (speaking, writing, analysing), Collection of work (writing, speaking), Collection of work (speaking, analysing, reflecting), Collection of work (speaking, reflecting)

EXCURSIONS: NIL

PATHWAY: Can lead to SNR Japanese

PRE-REQUISITE INFORMATION: Have studied Year 7 & 8 Japanese.

MATERIALS NECESSARY FOR THIS SUBJECT: Exercise book, red and blue pens, coloured pencils, ruler, eraser, pencils, glue stick, display folder, highlighters.

ELECTIVE SUBJECT: Home Economics

COST OF SUBJECT: \$100 for ingredients and consumables including textiles resources.

TOPICS COVERED: Functions of ingredients and cookery methods. Sustainability in food production and packaging. Textiles construction.

ASSESSMENT: Design folios with both written and performance components.

EXCURSIONS: Nil

PATHWAY: Further studies in Hospitality and Food and Nutrition

PRE-REQUISITE INFORMATION: Nil

MATERIALS NECESSARY FOR THIS SUBJECT: Enclosed shoes and hair tie as well as exercise book, red and blue pens, coloured pencils, ruler, eraser, pencils, glue stick, display folder, highlighters.

ELECTIVE SUBJECT: Civics and Citizenship (Semester 1), Business and Economics (Semester 2)

COST OF SUBJECT: All costs covered by the Student Resource Scheme.

TOPICS COVERED: One semester will be dedicated to Civics and Citizenship and one to Business and Economics. Change in Australia's political and legal systems. Managing financial responsibilities, risks and rewards

ASSESSMENT: Essay and Folio of Work.

EXCURSIONS: Nil

PATHWAY: The research and analytical skills this course develops are universally valued in business, health, science and engineering industries. A course of study in civics and citizenship can establish a basis for further education and employment in the fields of law, law enforcement, criminology, justice studies and politics. The knowledge, skills and attitudes economics students gain are transferable to all discipline areas and post-schooling tertiary pathways. The research and analytical skills this course develops are universally valued in business, health, science and engineering industries. A course of study in Economics can establish a basis for further education and employment in the fields of business, law, finance and health.

PRE-REQUISITE INFORMATION: Nil

MATERIALS NECESSARY FOR THIS SUBJECT: Exercise book, red and blue pens, coloured pencils, ruler, eraser, pencils, glue stick, display folder, highlighters.

ELECTIVE SUBJECT: MUSIC

COST OF SUBJECT: All costs covered by the Student Resource Scheme.

TOPICS COVERED: Music Fusions and Extension Project

The units focus on the development of skills and techniques through composing, performing and analysing various song styles. Students will investigate a variety of styles and genres in relation to fusion music.

ASSESSMENT:

Making (composition and performance)

Responding (song analysis)

PATHWAY:

Opportunities to pursue a career as a musician, composer, performer or a profession that requires 'out of the box' thinking, delivery of presentations and speaking to clients and/or participating in team work tasks on a daily basis.

PRE-REQUISITE INFORMATION: Nil

MATERIALS NECESSARY FOR THIS SUBJECT:

Exercise book, red and blue pens, coloured pencils, ruler, eraser, pencils, glue stick, display folder, highlighters.

ELECTIVE SUBJECT: VISUAL ARTS

COST OF SUBJECT: \$50:00

TOPICS COVERED: I am and Extension Project

The units focus on the development of practical and experimental skills through application tasks. Students will focus on experimentation through a range of mediums.

ASSESSMENT:

Making (art work)

Responding

PATHWAY:

Opportunities to pursue a career as an artist, curator, architect, arts teacher or a profession that requires organisation, design and delivery of presentations, 'out of the box' thinking and speaking to clients and/or participating in team work tasks on a daily basis.

PRE-REQUISITE INFORMATION: Nil

MATERIALS NECESSARY FOR THIS SUBJECT:

Exercise book, red and blue pens, coloured pencils, ruler, eraser, pencils, glue stick, display folder, highlighters, a visual art diary and 2B pencils.

ELECTIVE SUBJECT: DRAMA

COST OF SUBJECT: All costs covered by the Student Resource Scheme.

TOPICS COVERED: Drama Fusions and Extension Project

The units focus on the development of stage craft through script writing and performance. Students will focus on a range of styles in relation to drama fusions.

ASSESSMENT:

Making (script writing and performance)
Responding

PATHWAY:

Opportunities to pursue a career in performance, creative writing, journalism, film, production management and stage management.

PRE-REQUISITE INFORMATION: Nil

MATERIALS NECESSARY FOR THIS SUBJECT:

Exercise book, red and blue pens, coloured pencils, ruler, eraser, pencils, glue stick, display folder, highlighters.

ELECTIVE SUBJECT: MEDIA ARTS

COST OF SUBJECT: All costs covered by the Student Resource Scheme.

TOPICS COVERED: Under Construction and Extension Project

The units focus on the development of codes and conventions. Students will focus on the development and application of these skills in the production of a short film.

ASSESSMENT:

Making (short film)
Responding

PATHWAY:

Opportunities to pursue a career as a director, editor, camera person or a profession that requires organisation, design and delivery of presentations, 'out of the box' thinking and speaking to clients and/or participating in team work tasks on a daily basis.

PRE-REQUISITE INFORMATION: Nil

MATERIALS NECESSARY FOR THIS SUBJECT:

Exercise book, red and blue pens, coloured pencils, ruler, eraser, pencils, glue stick, display folder, highlighters, headphones, 16GB USB and an SD Card.

ELECTIVE SUBJECT: Design and Technologies

COST OF SUBJECT: \$50.00

TOPICS COVERED: Students identify the steps involved in planning the production of designed solutions. They develop detailed project management plans incorporating elements to manage a range of design tasks safely. They apply management plans, changing direction when necessary, to successfully complete design tasks. Students identify and establish safety procedures that minimise risk and manage projects with safety and efficiency in mind, maintaining safety standards and management procedures to ensure success. They learn to transfer theoretical knowledge to practical activities across a range of projects such as:

- Serving Tray
- Solar Powered Car
- Technology Holder
- Mobile movement

ASSESSMENT: Students create design ideas, identify product processes and justify decisions in a **portfolio** of their product. Students communicate and document product research and apply sequenced production and management plans when producing product. They select and **use appropriate technologies** skilfully and safely to produce high-quality designed **products**.

EXCURSIONS: Local Trade Workshops

PATHWAY: Can lead to Engineering Skills, Furnishing Skills, Design

PRE-REQUISITE INFORMATION: Nil

MATERIALS NECESSARY FOR THIS SUBJECT: Exercise book, red and blue pens, coloured pencils, ruler, eraser, pencils, glue stick, display folder, highlighters.

ELECTIVE SUBJECT: Graphics and Design

COST OF SUBJECT: All costs covered by the Student Resource Scheme.

TOPICS COVERED: Students use a range of technologies including a variety of graphical representation techniques to communicate, generate and represent original ideas. Students create production plans in two and three-dimensional items using a range of technical drawings including perspective, scale, orthogonal and production drawings with sectional and exploded views. They produce rendered, illustrated views for marketing and use graphic visualisation software to produce dynamic views of virtual products such as:

- Cam Toy
- Furniture item
- Engineering item
- House plan
- Gearing

ASSESSMENT: Students plan and manage projects using a design digital **portfolio**. Students create designed solutions for one or more of the technologies contexts based on a critical evaluation of needs or opportunities. They establish detailed criteria for success, including sustainability considerations, and use these to evaluate their ideas and designed solutions and processes. They create and connect design ideas and processes of increasing complexity and justify decisions.

EXCURSIONS: Local Council, Drafting Business

PATHWAY: Can lead to Information and Computer Technology, Design

PRE-REQUISITE INFORMATION: Nil

MATERIALS NECESSARY FOR THIS SUBJECT: Exercise book, red and blue pens, coloured pencils, ruler, eraser, pencils, glue stick, display folder, highlighters.

ELECTIVE SUBJECT: Digital Technologies

COST OF SUBJECT: All costs covered by the Student Resource Scheme.

TOPICS COVERED: Students consider how human interaction with networked systems introduces complexities surrounding access to, and the security and privacy of, data of various types. They interrogate security practices and techniques used to compress data, and learn about the importance of separating content, presentation and behavioural elements for data integrity and maintenance purposes. When creating solutions, both individually and collaboratively, students comply with legal obligations, particularly with respect to the ownership of information, and when creating interactive solutions for sharing in online environments. They learn to transfer theoretical knowledge to practical activities across a range of projects such as:

- HTML coding
- Digital hardware (cameras)
- Coding robots
- 3D Printing
- Gaming

ASSESSMENT: Students plan and manage digital projects using a design digital **portfolio**. Students design and evaluate user experiences and algorithms. Students test and predict results and implement digital solutions. They evaluate information systems and their solutions in terms of risk, sustainability and potential for innovation and enterprise. They share and collaborate online, establishing protocols for the use, transmission and maintenance of data and projects.

EXCURSIONS: Local Council

PATHWAY: Can lead to Information and Computer Technology, Design

PRE-REQUISITE INFORMATION: Nil

MATERIALS NECESSARY FOR THIS SUBJECT: Exercise book, red and blue pens, coloured pencils, ruler, eraser, pencils, glue stick, display folder, highlighters.

For use by students:

The order of preference of elective subjects I wish to do:

1	
2	
3	
4	