


# Emerald

## State High School



**Polite • Prepared • Participate**



# **YEAR 9 SUBJECT HANDBOOK 2021**

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<b>All students study the following each week:</b>	
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History/Geography	Page 7
Health and Physical Education	Page 8
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<b>Students then choose 2 different electives which they will study for 2 lessons/week for the entire year.</b>	
<b>The options to choose from are:</b>	
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\* **Note:** Food Specialisations, Visual Arts and Materials and Technology Specialisations all 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. This can be accessed at home at <https://oslp.eq.edu.au> and the student uses their school username and password to access or via the Student Portal on our Website <https://emeraldshs.eq.edu.au/Pages/default.aspx>. 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.

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> or via the Student Portal on our [www.emeraldshs.eq.edu.au](http://www.emeraldshs.eq.edu.au) and students select WEBMAIL and then 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.

## 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 (HOD) through the school main office:

Curriculum area	Head of Department	Email address
English	Gabrielle Hunt	<a href="mailto:ghunt55@eq.edu.au">ghunt55@eq.edu.au</a>
Maths	Nahroon Nazim	<a href="mailto:nnazi1@eq.edu.au">nnazi1@eq.edu.au</a>
Science	Aneel Dewan	<a href="mailto:adewa13@eq.edu.au">adewa13@eq.edu.au</a>
Humanities	Kerrie-Ann Van Hees	<a href="mailto:kvanh4@eq.edu.au">kvanh4@eq.edu.au</a>
HPE/Japanese	Debbie Cognet	<a href="mailto:dlaws30@eq.edu.au">dlaws30@eq.edu.au</a>
Arts	Lucy Ferrara	<a href="mailto:lferr62@eq.edu.au">lferr62@eq.edu.au</a>
Technologies	Noel Cavanagh	<a href="mailto:ncavo8@eq.edu.au">ncavo8@eq.edu.au</a>
VET	Annette Carter	<a href="mailto:acart163@eq.edu.au">acart163@eq.edu.au</a>
Special Education Services	Deanne Lucht	<a href="mailto:dluch4@eq.edu.au">dluch4@eq.edu.au</a>

# 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 Sport and Recreation/Fitness

**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 Biology - Biological systems and interdependencies

Term 2 Physics - Energy transfers including waves

Term 3 Chemistry - Atoms and reactions

Term 4 Chemistry & Geology - Radioactivity, Global features and geological processes

**ASSESSMENT:**

- Research Investigations
- Exams
- Student Experiments
- Data Tests

**EXCURSIONS:** Nil

**PATHWAY:**

Can lead 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: 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 Senior 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: Food Specialisations

**COST OF SUBJECT:** \$150 for ingredients and consumables.

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

**ASSESSMENT:** Design folios with both written and performance components.

**EXCURSIONS:** Nil

**PATHWAY:** Further studies in Hospitality and Food and Nutrition. Careers in the Hospitality, Health and science fields.

**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 – which covers Australia’s political and legal system. The second semester will be dedicated to Business and Economics - which covers 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

**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:** Nil

**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: Materials and Technology Specialisations

**COST OF SUBJECT:** \$50.00

**TOPICS COVERED:** Materials and Technology Specialisations is a 'hands on' practical based course focused on integrating the principles of Design and project based learning through a broad range of experiences using a variety of materials and mediums. Students identify the steps involved in planning the production of a designed solution and apply project management plans to create design tasks safely. Students learn to transfer theoretical knowledge to practical activities across a range of projects such as:

- Serving Tray
- Alternative Powered Vehicle
- 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 Industrial Technology and Design (Furnishing), Industrial Technology and Manufacturing (Engineering), Industrial Graphics 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: Design and Technologies

**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 Industrial Graphics Skills, Information and Computer Technology, Design

**PRE-REQUISITE INFORMATION:** Nil

**MATERIALS NECESSARY FOR THIS SUBJECT:** Portable storage USB device (8G), exercise book, red and blue pens, coloured pencils, ruler, eraser, pencils, glue stick, display folder, highlighters.

## **ELECTIVE SUBJECT: Engineering principles & systems**

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

**TOPICS COVERED:** Engineering principles and systems is focused on how forces can be used to create light, sound, heat, movement, control or support in systems. Knowledge of these principles and systems enables the design and production of sustainable, engineered solutions. Students need to understand how sustainable engineered products, services and environments can be designed and produced as resources diminish. Students will progressively develop knowledge and understanding of how forces and the properties of materials affect the behaviour and performance of designed engineering solutions of:

- Cam Toy
- Robotics
- Engineering item
- Gearing

**ASSESSMENT:** Students plan and manage projects using a design digital **portfolio**. Students create 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 Industrial Graphics Skills, Information and Computer Technology, Design

**PRE-REQUISITE INFORMATION:** Nil

**MATERIALS NECESSARY FOR THIS SUBJECT:** Portable storage USB device (8G), 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 Technologies, Design

**PRE-REQUISITE INFORMATION:** Nil

**MATERIALS NECESSARY FOR THIS SUBJECT:** Portable storage USB device (8G), exercise book, red and blue pens, coloured pencils, ruler, eraser, pencils, glue stick, display folder, highlighters.

**End of Subjects**

**-O-**