

TURRAMURRA

HIGH SCHOOL

Year 10 Content Overview, Term 2, 2024

Subject Name	Description	Assessments
ENGLISH	Motherland – Ngurra Poetry Unit Close study of Macbeth	Poetry Exam – Week 3, Term 2 Analytical Essay – due early Term 3
MATHEMATICS	Please check the school website under Year 10 for the complete Scope and Sequence for the year.	In class Exam - Week 9 Tuesday P2 (25th June)
SCIENCE	Students will be studying The Chemical World. The key concepts developed in this program are that the chemical and physical properties of substances are determined by their structure on an atomic scale and that substances change, and new substances are produced in chemical reactions by rearranging atoms through atomic interactions and energy transfer. Students will explore these ideas using chemical reactions which are directly linked to real world applications and scenarios.	Students will be submitting their Individual Research Project in Week 10.
PDHPE	Health - Completing the Fit for Life unit and starting the second unit on Challenges and Opportunity. PE – Fundamental Movement Skills through Sport and Dance.	Class activities and tasks.
GEOGRAPHY	Human Wellbeing	Semester Exam. Please check the website for specific dates for the exam. Homework as required.
HISTORY	Changing Rights and Freedoms in Australia & the USA.	Semester Exam. Please check the website for specific dates for the exam. Homework as required.

COMMERCE	Investing (making informed decisions) ASX Schools Share market Game & Our Economy. Law in Action.	Investment Report
ELECTIVE HISTORY	A History of Crime and Punishment-changing definitions and approaches. Later in the term we will be studying Revolutions through Time.	Research Task & Presentation.
INDUSTRIAL TECHNOLOGY: Engineering	In Term 2 students will be developing their knowledge and understanding of control systems in technologies and links to industry. Students will learn about electronic components and circuits while designing and constructing a Light and Dark Indicator project. They will also experiment with control systems through the interactive Control Studio program.	Students are assessed on: Practical: Light and Dark Indicator Control Studio Assignment: Control Systems - Links to Industry Folio: Electronic Systems - Booklet Control Studio - Booklet
DESIGN AND TECHNOLOGY	During Term 2 the Year 10 Design and Technology class will split their focus between investigating the work of an iconic designer and developing their practical skills with the creation of 'Skillbot'. Students will work in pairs while investigating their chosen iconic designer. They will be required to bring their discovery to life through the creation of a website which will be accessed through a revolutionary AR platform. The creation of Skillbot provides students with the opportunity to develop their practical skills in at least 10 different workshop processes including hand tool skills, machining, and CAD/CAM.	AR Iconic Designer Profile due Week 1 Term 3 Skillbot due Week 2 Term 3
INDUSTRIAL TECHNOLOGY: Engineering Z Elective	In Term 2 the 100-hour Engineering students will be developing their knowledge and understanding of civil structures through the design and construction of a Balsa tower project. The students will then begin the research and development of a fuel cell Rocket.	Assessment: Tower project, presentation, and evaluation. 3D printing and design of rocket nose cone.
INDUSTRIAL TECHNOLOGY: Timber	In Term 2 the class will be continuing to work on their Side Table with Sliding Draw project. The Side Table involves a number of complex joints and introduces the students to a series of new processes, machines and techniques building upon	Practical projects - Side Table with sliding draw and marquetry inlay. Semester exam in class mid-term

	<p>their prior knowledge. There is a design component to the top of the table where the students create a unique marquetry inlay pattern to the tops surface. The process by which they do this further extends their skills as they select from a range of methods to achieve this. There is also an accompanying design and research theory folio extending the students' knowledge on the various types of timber and their properties, improve their communication skills through a variety of drawing techniques and their understanding of the design process. Students will also be preparing for a mid-year exam testing their knowledge of timber properties and the industry subject field.</p>	<p>Timber types and their properties. Design process and drawing techniques</p>
<p>INDUSTRIAL TECHNOLOGY: Art Metal Jewellery</p>	<p>In Semester 1 (Term 2) Students will continue with the design and construction of a saw-pierced filigree container/trinket/ring box, begun in Term 1. They will learn new processes and apply them, use specific jewellery-making exercises to expand their understanding of materials and processes learned in both Year 9 and Term 1 this year. They will then complete an advanced ring exercise, utilizing a variety of processes previously learned. Emphasis will be on presentation, efficient use of time, materials, equipment, and technique application. Students will complete both in-class and research assignments to broaden their understanding of design and the design process.</p>	<p>Assessment will be based on</p> <ol style="list-style-type: none"> 1. Satisfactory completion of 2 major Jewellery/metal Art pieces. 2. Maintenance and on-going development of a design and production portfolio 3. Satisfactory completion of in-class theory and research assignments
<p>INFORMATION & SOFTWARE TECHNOLOGY</p>	<p>Software development: Creating games and building mechatronic systems. In Semester 1 students will be learning about OOP and programming languages such as Python & C++. They will be using a variety of equipment including Arduino sets to control hardware. Students will complete both in-class teacher-guided programming tasks as well as individual programming and research tasks.</p>	<p>Assessment will be based on:</p> <p>Python Individual Project (Term 1)</p> <p>Mechatronics Group Project (Term 2)</p>

FOOD TECHNOLOGY	<p>In Year 10, Food Technology students will continue to study the Food Service and Catering industry. Students will examine food service and catering across multiple ventures, learn about ethical operations across different settings and also investigate employment opportunities. Students will also plan and prepare safe and appealing foods appropriate for catering for small and large-scale functions. During this term the students will also participate in an excursion to Sydney Tower to observe the food service industry in action.</p> <p>During Term 2, students will begin a new unit Food for Specific Needs. The unit is designed to explore a range of circumstances which lead to special food requirements.</p>	<p>Assessment Task 1 - Designing an event for 30 guests. This includes a written and practical component. The task is posted on your child's Google Classroom</p> <p>Assessment Task 2 - Unit Test Notification will be posted on Google Classroom</p> <p>Practical lessons requirements:</p> <ul style="list-style-type: none"> ● Leather school shoes are required in the kitchens during practical lessons. ● bring from home t-towel and container
TEXTILES TECHNOLOGY	<p>In Term 2 students will complete the textile design recycled corset using a commercial pattern. This textile project will further develop the student's practical skills and refine their folio documentation. A note will be sent home in Week 5 regarding the project requirements for the ensuing furnishing textile item.</p>	<p>Assessment will include:</p> <ul style="list-style-type: none"> ● folio ● completed product ● historical design development research assignment
JAPANESE	<p>Katakana -Reading and writing (Revision) Kanji Characters from unit 1-4 Revision of Unit 1 and 2 (daily routine and school life) Unit 3: Events at school, timetables, school excursions, school festivals, transport Unit 4: Hobbies: Talking about hobbies, holidays, and free time. Verbs and adjectives Grammar structures and 10 new kanji characters from unit 3 and 4</p>	<p>Assessment Listening and Writing - Listening based on Unit 3 and 4- 10%.</p> <p>Writing a letter to a friend about your hobbies and what you do in your free time - 10%.</p>
DRAMA	<p>Students have the chance to rehearse and perform a production of 'A Midsummer Night's Dream' by William Shakespeare. They will also refine their Design Project or Critical Analysis Review from Term 1.</p>	<p>Rehearsal process grade 30% - Final production performance grade 30% -Design/ Critical Analysis Review 40%</p>
PHOTOGRAPHIC & DIGITAL MEDIA	<p>Students will investigate Action and Motion photography with light painting,</p>	<p>Critical/Historical Extended Response (Conceptual Framework)</p>

	motions freeze, continuous shutter overlaying and levitation editing tricks.	Artmaking Portfolio of Action and Motion Photographs and Film, with documentation of making.
VISUAL ARTS	Students will be finishing their studies in the unit "Art of Protest" in week 2. We will then be moving into the study of Portraiture in their new unit of work "Representations of Self." Students will be studying the possibilities of different expressive forms and how they can communicate identity through artworks.	Critical/Historical Essay • Artmaking • Ceramic tile and textiles work
VISUAL DESIGN	Students will be exploring ceramics and the construction of product design through the form of 'vessels. Students will enact the role of a stallholder.	Ceramic vessel Stallholder Flyer
MUSIC	Students will be exploring the digital production of music in the unit Music for Film and Multimedia. Students will develop skill in composing and producing music using various forms of technology.	Composition Score and Recording
PASS	Technology in Sport	Shark Tanknology Design Project
OUTDOOR EDUCATION	Core Unit Study – Outdoor Experiences and Skills for the Outdoors	Excursion – RAW Challenge Obstacle Course Assessment – Outdoor EduZine (Digital Journal)
SPORT	Summer Grade Sport Semi Finals and Finals Weeks 1 and 2. Winter Grade Sport Trials Weeks 3 and 4. Winter Grade Sport Competition Weeks 5-10. Zone Cross Country - Week 3 - Wed 15 May 2024 Zone Athletics - Week 10 - Wed 3 July 2024	All Year 10 MUST trial for a Grade Sport and then participate in Winter Grade Sport
* Please note that dates may change due to unforeseen circumstances.		