2025
YEAR 9 CURRICULUM GUIDE

Hume Anglican Grammar
Donnybrook Campus

Anglican Grammar
Hume

Aim High, Be Proud

Contents

Year 9 Course Overview

The Year 9 Curriculum at Hume Anglican Grammar strikes a balance between building on the foundations established in Years 7 and 8 and encouraging students to pursue their interests, taking increased responsibility for their curriculum choices. Students in Year 9 continue to undertake lessons in the core subject areas of English, Mathematics, Science and Humanities as prescribed by the Australian Curriculum. Further, Health and Physical Education and Religious and Values Education are compulsory. These core and compulsory subjects are supported by a range of electives where students can explore and experiment. Students choose two electives per semester. It is important that students gather information about their choices and select subjects based on interests, strengths and future goals.

A general Year 9 course will follow the structure below:

Semester 1	English	Mathematics	Science	HPE	Humanities	RAVE	Elective 1	Elective 2
Semester 2	English	Mathematics	Science	HPE	Humanities	RAVE	Elective 1	Elective 2

All students follow a ten-day timetable that consists of five 60-minute periods per day. A full 10-day span is called a cycle. See the following lesson allocations:

English	8 periods per cycle
Mathematics	8 periods per cycle
Science	7 periods per cycle
Humanities	7 periods per cycle
Health & Physical Education	4 periods per cycle
RAVE*	2 periods per cycle
Electives x 2	12 periods per cycle (6 periods each)

*A pastoral care program is delivered via extended Homeroom sessions, Chapel and Assembly.

Subject Selection Timeline

Date	Action
31July	Attend Subject Selection Evening with parents
1 August	**Web preferences open** for Year 8 (going into Year 9) students for subject selection. Students return web preference slips to their homeroom teacher by Wednesday, 10 August.
11 August	Web preferences **close.**
Mid-November	Confirmation of 2025 subjects sent to students.

Core Subject Information

English

Overview

English is structured around three core strands: language, literacy and literature. Together these strands enable students to have greater skills and knowledge of speaking, listening, reading and writing. Texts and language are central and essential concepts. This means that the focus of English is on both the analysis and interpretation of texts and the creation of them. The use of language is purposeful and built around an understanding of linguistic concepts. Students learn to appreciate, enjoy and use language, developing a sense of its richness and its power to evoke feelings, to form and convey ideas, to inform, to discuss, to persuade, to entertain and to argue. The English course seeks to build upon the key skills and knowledge developed in previous year levels.

Duration

This subject runs for TWO semesters.

Educational Objectives

Students learn to:

- Participate in dynamic and inquisitive classrooms, in activities that challenge them to form ideas and build upon the ideas of others, solving problems and justifying opinions
- Read increasingly complex and sophisticated texts that challenge them to interact with literature as a reflection of our world, developing and elaborating on their opinions as a means of extending inferential and critical thinking and evaluative skills
- Understand how to use language features to create different levels of meaning
- Understand how individual interpretations can vary
- Demonstrate how manipulating language features and images can create innovative texts
- Create texts that respond to issues, interpreting and integrating ideas from other texts
- Make presentations and contribute actively to class and group discussions, comparing and evaluating responses to ideas and issues
- Edit for effect, selecting vocabulary and grammar that contribute to the precision and persuasiveness of texts and using accurate spelling and punctuation

Topics of Study

- Text studies – a range of novels, plays, short stories, documentaries, films, poetry and other multimodal texts
- Argument and language analysis
- Language development, including vocabulary, grammar and sentence structure
- Writing for a range of purposes and audiences
- Oral presentations

Methods of Assessment

Students will complete a range of assessment tasks over the semester, these will include:

- Text analysis essays and comparative writing tasks
- Language (grammar) tasks
- Writing folio pieces including creative writing
- Argument and language analysis tasks
- Oral presentations
- Creative writing tasks
- End-of-semester examinations

Humanities

Overview

Humanities is the study of human societies, environments, people and their cultures in the past and the present. Humanities (History, Geography, Economics and Business and Civics and Citizenship) provides a framework for developing the key ideas and concepts that enable students to understand the way in which people and societies have organised their world under particular conditions and made meaning of it. The study of Business and Economics introduces students to money management and financial risk. The study of Civics and Citizenship provides the knowledge and skills conducive to functioning as an active member of society. This includes elements of the study of Australia's legal system, tourism and finances.

Duration

This subject runs for TWO semesters.

Educational Objectives

- Chronology, terms and concepts
- Historical questionings and research
- Analysis and use of sources
- Perspectives and interpretations
- Explanation and communication
- Investigative analysis of Issues
- Analyse data in various forms
- Economic reasoning and decision-making
- Explain patterns on the surface of the earth
- Application of concepts such as location, distribution, spatial interaction, scale, movement, spatial change over time and spatial association
- Study of the physical and human environments from a spatial perspective

Topics of Study

- The Industrial Revolution
- World War I
- Australia's legal and economic systems
- Australia and Asia (focus on China)
- Natural habitats of animal and plant life and food production
- Geographies of interconnection

Methods of Assessment

Students complete a variety of assessment tasks over the semester. These may include:

- Topic tests
- Historical text analysis response
- Oral presentations
- Short investigative projects
- Essays
- Annotated visual displays
- Research reports
- Multimedia presentations and posters
- End-of-semester examinations

Mathematics

Overview

Students explore new content in the areas of Number and Algebra, Measurement and Geometry, and Statistics and Probability. The proficiencies of *Understanding, Fluency, Problem Solving and Reasoning* are an integral part of the content across these three strands. They reinforce the significance of working mathematically within the content and describe how it is explored or developed. We aim to provide a challenging and enriching course suitable for every student. Accordingly, students are grouped in two strands — Mainstream and Advanced - based on Year 8 results. All study the core Australian Curriculum Mathematics course for Year 9 while being in a class appropriate to their capabilities, providing sound and specific preparation for senior year levels. The structure of the two-strand model is dynamic and flexible, with teachers continually evaluating and being responsive to each individual student's progress. During the year, any movement of students between classes would occur only after teacher and parent consultation. *****Students wishing to explore entry into Advanced Math classes, please see application guideline.*****

Duration

This subject runs for TWO semesters.

Educational Objectives

By the end of Year 9, students should be able to:

- Solve problems involving simple interest
- Identify congruence and scale factors in similar figures and explain similarity of triangles
- Recognise the connections between similarity and the trigonometric ratios
- Compare techniques for collecting data in primary and secondary sources
- Make sense of the position of the mean and median in skewed, symmetric and bi-modal displays to describe and interpret data
- Apply the index laws to numbers and express numbers in scientific notation
- Expand binomial expressions
- Find the distance between two points on the Cartesian plane and the gradient and midpoint of a line segment
- Sketch linear and non-linear relations
- Use Pythagoras' Theorem and trigonometry to find unknown sides of right-angled triangles
- Calculate relative frequencies to estimate probabilities, list outcomes for two-step experiments and assign probabilities for those outcomes
- Construct histograms and back-to-back stem-and-leaf plots

Topics of Study

- Financial mathematics
- Pythagoras' theorem
- Algebra
- Measurement
- Linear relationships
- Geometric reasoning
- Trigonometry
- Statistics and probability
- Non-Linear relationships and proportion

Methods of Assessment

Students will complete a range of assessment tasks over the semester. These will include:

- Written skills and analysis tests
- Assignments/problem solving exercises and homework sheets
- End-of-semester examinations

Health and Physical Education

Overview

Students work towards developing proficiency in a range of high-level movement and manipulative skills and focus on identifying and implementing ways of improving the quality of their performance during games, physical activities and sports. They investigate different components of fitness, how these vary between activities and how they contribute to the wellbeing of people at different stages of their lives. Students also develop and understanding of the Physical Activity and Sedentary Behaviour Guidelines and look at the barriers and enables in relation to physical activity. They will also look at developing an understand of skill classification for the various movement skills and finally students will be introduced to basic First Aid concepts.

Duration

This subject runs for TWO semesters.

Educational Objectives

- Students explore the Physical Activity and Sedentary Behaviour Guidelines and undertake case study analysis in relation to the guidelines
- Students perform complex movement and manipulative skills proficiently and evaluate individual and group tactics, and movement patterns
- Maintain regular participation in moderate to vigorous physical activity and analyse and evaluate their level of involvement in physical activity
- They assume responsibility for conduct of aspects of a sporting competition in which roles are shared and display appropriate sporting behaviour
- Students participate in a Frist Aid unit, aimed at preserving life, preventing harm and promoting recovery

Topics of Study

- Basketball & Netball
- Soccer
- Badminton
- European Handball
- Ultimate Frisbee
- Touch Rugby
- Lifestyle, leisure and recreation
- Hockey
- Fundamental Movement skills

Methods of Assessment

Students will complete a range of assessment tasks during the Semester. These may include:

- Skills assessments
- Project work
- Tests

Religious and values education (RAVE)

Overview

Religious and Values Education (RAVE) offers students the opportunity to examine a number of key aspects of personal and communal spiritual development. This includes studying the complex nature of human decision-making, forgiveness and suffering, ethics, the emotion and message of the Old Testament Psalms as well as a unit on the six major world religions, with a particular focus upon the Christian faith.

Duration

This subject runs for TWO semesters.

Educational Objectives

- Investigating the spiritual nature, historical stories and modern challenges of the six major world religions: Christianity, Hinduism, Judaism, Islam and Buddhism and Sikhism
- Consider the various influences on personal choices being made during adolescence, and how those choices affect one's spiritual identity
- Develop ideas of what it means to be a relational human being, interacting with others in our families, neighbourhoods and the wider world

Topics of Study

- Living in a world of choice
- World Religions (the six major faiths)
- On being human
- How to know right from wrong
- Forgiveness
- Psalms from the Old Testament

Methods of Assessment

Students will complete a number of assessment tasks over the year, these will include:

- Reflective Journal after a world religions tour and visit to the Salvation Army
- Worksheets
- Reflective article after the world religions tour
- Workbook assessment
- Composition of a personal psalm

Science

Overview

The key learning area of science aims to help students develop an understanding of the physical world they live in and its place in the universe, of life in all of its many forms, of themselves and of the technology that has evolved out of scientific experimentation in order to enhance our ability to explore, measure, test, analyse, evaluate and communicate.

Duration

This subject runs for TWO semesters.

Educational Objectives

- Become familiar with and be able to apply the language and fundamental concepts of science
- Develop, through laboratory work, manipulative skills and processes associated with sound scientific practice
- Use the experimental approach to problem-solving
- Develop the skills and confidence to access, process and communicate information so they may be scientifically informed and aware
- Build an understanding and appreciation of their world in order to develop a system of values characterised by great respect for living things and a commitment to nurture the natural world
- Develop skills in analytical and critical thinking to acquire the skill of proposing a hypothesis then designing and evaluating an experiment to test it, but also the skill of applying their key knowledge and key concepts to explain or predict new phenomena.

Topics of Study

- Materials and the atom
- Chemical reaction types
- Heat, sound and light
- Electromagnetic radiation
- The brain and the nervous system
- Coordination and control
- Electricity
- Bacteria, viruses and disease

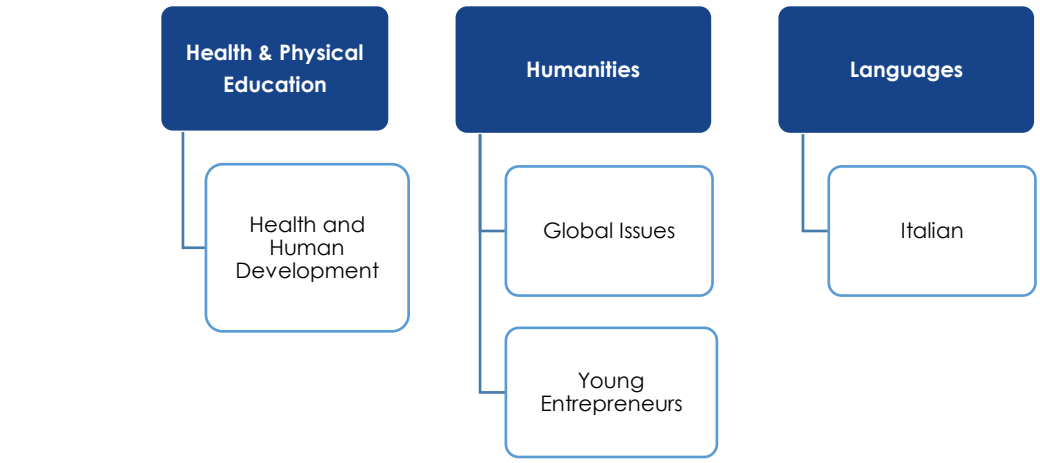
Methods of Assessment

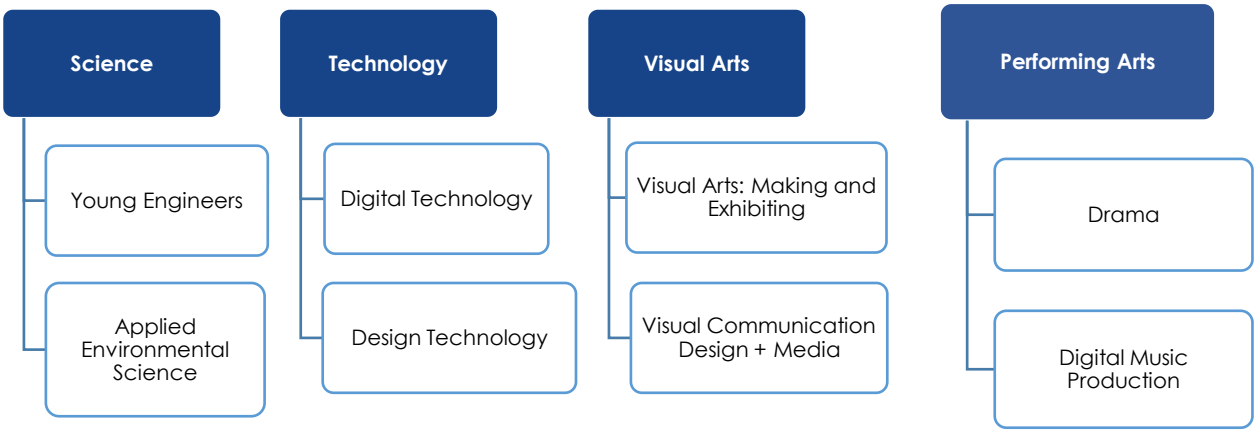
Students will complete a range of assessment tasks over the semester. These will include:

- Topic tests
- Practical reports
- Activity book assessment
- Projects and assignments
- End-of-semester examinations

Elective Subject Information

A vital part of the progression towards the Victorian Certificate of Education in Years 11 and 12 is the provision of an elective program at Years 9 and 10. Electives permit students to try new subject areas and elaborate on previous skills. Students choose two per semester, a total of four. **Note:** All electives run for one semester with the exception of Italian which must be taken for two. While we aim to run all courses and give each student their first preferences, this may not always be possible due to timetabling constraints or low enrolments.





Applied Environmental Science

Overview

The Year 9 Applied Environmental Science subject is an interdisciplinary subject that draws upon skills from across all disciplines of science to propose solutions to contemporary environmental issues, and provides the knowledge and skills required to support students to gain early entry into Units 1and 2 of Environmental Science in Year 10. In this subject, students explore global biogeochemical cycles and consider how human activity influences these cycles. They learn about contributors to imbalances in the carbon cycle and how this drives global warming and climate change, and research current and emerging scientific innovations that set out to mitigate these impacts. Students explore changes to Earth's systems because of human activity and investigate the impact this has on biodiversity. They explore the relationship between the environment and food and water security and propose solutions to manage food and water resources to sustain Earth's systems.

Duration

This subject runs for ONE semester.

Educational Objectives

Students learn to:

- Describe how carbon moves through Earth's four systems (hydrosphere, biosphere, lithosphere, and atmosphere)
- Identify different examples of non-renewable energy sources, including fossil fuels and explain the consequences of fossil fuel combustion on the carbon cycle.
- Describe the interactions between solar energy that is absorbed, re-emitted and reflected by atmospheric gases and how these interactions contribute to natural and enhanced greenhouse effects.
- Explore impacts of climate change on ecosystems.
- Identify different examples of renewable energy sources and explain how they can be utilised in building a sustainable energy future that produces lower greenhouse gas emissions.
- Define and identify distinct categories of biodiversity.
- Explore human and non-human threats to biodiversity.
- Describe the different conservation categories for ranking species according to their risk of extinction.
- Identify strategies for maintaining and growing populations.
- Identify challenges to supplying adequate and affordable food on a global scale.
- Explore options for improving food security.
- Explain how water moves through Earth's four systems.
- Explore options for decreasing water demand and improving water-use efficiency.

Topics of Study

- Climate change
- Sustainable use of energy resources
- Threats to biodiversity
- Food and water security

Methods of Assessment

Students will complete several assessment tasks over the semester. These may include:

- Topic tests
- Student designed investigations
- Analysis of case studies
- Scientific posters

Design Technology

Overview

Year 9 Design Technology provides students with an engaging and hands-on learning experience that integrates theoretical knowledge with practical skills in materials science, design thinking, and digital technologies. By investigating the properties and applications of materials, students develop a deeper understanding of the role of technology in shaping the world around them while fostering creativity, innovation, and responsible citizenship.

Teaching and learning in this subject builds upon the foundational knowledge acquired in earlier years, aiming to deepen students' understanding of materials, their properties, and their applications in design and production processes.

Duration

This subject runs for ONE semester

Educational Objectives

Students deepen their understanding in the following areas:

- Identifying, investigating and researching design issues
- Experimenting, exploring, and developing their understanding of materials, and material properties
- Engineering and manufacturing prototypes and design solutions
- Evaluating and testing

Topics of study

Students will complete a Design Folio working with a materials and technologies from the following list:

- 3D Printing
- Lasercutting
- Woodwork
- Textiles
- Acrylic
- Paper

Assessment may include:

- Design Folio
- Multimodal Presentation
- Evaluation
- End of semester examination

Digital Music Production

Overview

This is a practical course combining stage production of sound and lighting, computer-based music creation and live performance using technology. Students will learn key music making and performance skills, as well as industry skills involving technology.
In composition, students will use MIDI, audio recordings, and sampling techniques to develop their understanding of the elements of music and the properties of sound. In performance, student's will perform group works with technology used to enhance performance.
They will use stage equipment such as lighting consoles and sound desks, whilst also stage managing performance events, including set up and pack up.

Duration

This subject runs for ONE semester.

Educational Objectives

- Perform as a group using instruments enhanced by technology.
- Become familiar with a variety of Music software, being able to sample, manipulate and create musical compositions through this format, such as Ableton Live and Adobe Audition.
- Explore the history and function of a variety of musical technologies
- Use digital music equipment, including Launch Pads, Drum Machines and DJ Consoles
- Stage Production using: Mixing Desks, Lighting Consoles, Speakers, Amplifiers, and Lights.
- DMX Programming (lighting)

Topics of Study

- Technical skills assessment
- Aspects of technology impact and development
- Written assessment
- Performance
- Composition
- Stage Production

Methods of Assessment

Students will complete several assessment tasks over the semester. These will include:

- Composition tasks using music technology software
- Written essay
- Weekly topics covering music theory and technology (history and function);
- Live performance & event management.
- End-of-semester examination

Digital Technology

Overview

Digital Technology in Year 9 develops students' knowledge of computer programming. Beginning with event-based programming, students learn and apply coding languages to develop solutions to various problems. Students then explore website design principles and work as a group to design their own website. The course concludes with an introduction to databases using Microsoft Excel and Infographics. Students will learn how companies use data to help meet their objectives, and how to create a data visualisation of their own.

Duration

This subject runs for ONE semester.

Educational Objectives

- Programming in Small Basic and RobotProg
- Designing and developing website solutions
- Editing a range of data, including digital images and raw quantitative data using Microsoft Excel
- Designating tasks and managing responsibilities amongst members of a team

Topics of Study

- Investigating the role of hardware and software in managing, controlling and securing data
- The nature of data, compression and its role in information
- Qualitative and quantitative data collection, management and storage
- Data Visualisation to demonstrate and address complex problems
- Solving real world problems
- Programming
- Web development
- Coding

Methods of Assessment

Students will complete a number of assessment tasks over the semester. These may include:

- Topic tests
- Assignments
- Problem solving tasks
- Regular homework tasks
- Projects
- Open-ended student guided tasks
- End-of-semester examination

Drama

Overview

Now and in the future, drama supports those who are innovative thinkers, adept communicators and excellent team players. Drama involves manipulating the elements of theatre composition and conventions to express ideas, considering specific audiences and specific purposes, through dramatic action based on real or imagined events. In Year 9 Drama, students continue to build on their skills from Year 7 and Year 8 by participating in workshops in practical areas such as the elements of theatre composition, expressive skills, performance styles and exploring different dramatic ideas. Students begin to explore a variety of performance styles, by focusing on famous dramatists such as Artaud and Grotowski as well as the history and conventions associated with physical theatre. This course is designed for students who wish to develop confidence, self-discipline, creativity, team-work skills and cultural awareness. Its emphasis on personal development makes it of value to all students. This course is varied with a balance of individual and group activities.

Duration

This subject runs for ONE semester.

Educational Objectives

- Performance skills including role play, improvisation, scripted drama, characterization, rehearsal skills and storytelling through the elements of theatre composition.
- Group dynamics – decision making, responsibility, discussion skills, teamwork, negotiation and inclusivity
- Scriptwriting, directing, and other playmaking strategies including researching techniques
- Character exploration and analysis

Topics of Study

- Workshops covering key understandings of conventions and elements of theatre composition.
- Intro to major theatrical styles
- Physical theatre
- Production areas including lighting, makeup, sound and costume

Methods of Assessment

Students will complete a range of assessment tasks during the semester. These may include:

- Participation in drama workshops
- Developing characters through playmaking
- Presenting work to an audience
- Developing drama techniques including expressive skills and performance skills
- Drama journal evaluating class activities and personal growth
- Analysing and reviewing a live performance
- End-of-semester examination

Global Issues

Overview

Global Issues is the study of contemporary social, environmental and economic issues that affect Australia and the rest of the world. The study of Global Issues will introduce students to challenges faced by society, plus develop their knowledge and understanding of key political global conflicts and their impacts. Throughout the course, students hone their research abilities of which they use to explore a series of current affairs topics such as the Cost-of-living Crisis, continued impacts of colonisation, war and conflict.

Duration

This subject runs for ONE semester.

Educational Objectives

- Define key concepts and terms and use them appropriately
- Gather and interpret statistical data on the selected global issue/s
- Identify and discuss factors that influence the selected global issue/s
- Identify trends, patterns, similarities and differences in economic data and other information
- Develop research skills
- Evaluate the costs and benefits associated with action taken to address the selected global issue/s
- Access and synthesise information gathered from a range of sources and draw conclusions

Topics of Study

- Economic concepts
- Equality Rights
- Global Indigenous Peoples
- Global trade and its political and economic implications
- Distribution of income and global income inequality
- War and conflict

Methods of Assessment

Students complete a variety of assessment tasks over the semester. These may include:

- Oral presentations
- Short investigative projects
- Extended Responses
- Essays
- Annotated visual displays
- Short research reports
- End-of-semester examination

Health and Human Development

Overview

Health Education aims to equip students with the range of skills and knowledge they will require to maintain healthy lifestyles as they move into adulthood. In Year 9, students will develop their understanding of the concept of health and they will investigate the development of humans across the lifespan. Students will examine positive and negative risks taken during youth, such as using drugs, alcohol and energy drinks, and consider strategies to minimise potential harms. Students will learn to analyse the health status of population groups and consider the various factors that influence health.

Duration

This subject runs for ONE semester.

Educational Objectives

- Decision making and assertiveness skills
- Understanding health and wellbeing as a concept with varied and evolving perspectives and definitions
- The ability to describe the health status of an Australian population group
- Health report writing skills
- Analysing basic health data

Topics of Study

- What is Health?
- Development across the lifespan
- Health of population groups
- Drugs and alcohol
- Examining risk and minimising harm
- Infectious and non-infectious diseases

Methods of Assessment

Students will complete a number of assessment tasks over the semester. These may include:

- Topic tests
- Project
- Written reports
- Oral presentations
- End-of-semester examination

Italian

Overview

In Year 9, students will bring their prior experience and capabilities of learning Italian to apply to new concepts. The course will expand the range and nature of their learning experiences and of the contexts in which they communicate with others in Italian. Students will expand vocabulary and grammar giving them an opportunity to experiment with different forms of communication. Students continue to learn to use Italian to communicate and interact with each other, to access and exchange information, to express feelings and opinions, to participate in imaginative and creative experiences, and to design, interpret and analyse a range of texts and experiences. Students explore language variation and change, noting how intercultural experiences, technology, media and globalisation influence language use and forms of communication. Students will also investigate links between the Italian language and cultural representation and expression and learn to analyse and reflect on different viewpoints and experiences, including their own cultural stance, action and responses.

Duration

This subject runs for TWO semesters.

Educational Objectives

- Exchange and compare ideas, experiences, opinions and feelings through spoken and written transactions
- Convey and organise information and compare diverse perspectives from multiple sources in Italian
- Create and respond to imaginative texts about themes, events and values
- Translate texts for Italian to English and vice versa
- Understand and extend knowledge of more complex features and patterns of Italian grammatical systems
- Analyse the features of a range of spoken, written and multimodal texts
- Reflect on intercultural exchanges and the ways in which language is used to establish relationships, indicate social values and enhance reciprocity

Topics of Study

- Where do Italians live?
- Italian family life
- Typical day in the life of an Italian
- Friends and free time

Methods of Assessment

Students complete a variety of assessment tasks over the semester. These will include:

- Written assessments
- Reading assessments
- Listening assessments
- Speaking assessments
- End-of-semester examinations

Visual Arts: Making and Exhibiting

Overview

Visual Arts: Make and Exhibit enables students to develop their skills and confidence in a range of art forms. In this semester-based unit, students choose from one of three art form streams. Students have access to a range of traditional art resources as well as the latest technologies including Creative Cloud software. They learn about the role of the artist, craftsperson and designer and their contribution to society, and the significance of the creative industries. Students plan and apply the studio process to make and exhibit artworks. They examine how Australian artists develop their practice and have used materials, techniques and processes to create aesthetic qualities in artworks. Their research focuses on critical, reflective and creative thinking. This subject provides a VCE pathway to Visual Arts subject Art: Making and Exhibiting.

Duration

This subject runs for ONE semester.

Educational Objectives

- Understanding and application of a range of art forms.
- Understanding and application of the studio process to successfully communicate, challenge and express their own ideas
- Understanding and application of critical, reflective and creative thinking strategies
- Ability to analyse artworks
- Ability to effectively apply OH&S knowledge in the Art Studio.

Topics of Study

- Making: Studio Practice and Exhibition
  Choose stream:
  1) Drawing and Digital Art
  2) Drawing and Painting (Skateboard)
- Responding: Australian Artists

Methods of Assessment

Students are assessed in a variety of ways including:

- Visual Arts journal and artworks
- Exhibition
- End-of-semester examination

Visual Communication Design + Media: Content Creator

Overview

This course introduces students to the role of a designer and content creator. They are exposed to two Visual Arts subjects, in a combined course, that offer future VCE pathways in both Visual Communication Design and Media. The Media unit is designed to give students an overview of the relationship between media and its audience. This is done through the exploration of the tools used by media producers to communicate stories and narratives. Students will consider how narratives are framed and manipulated by those who create them. Film and photography are a key focus in this course. The Visual Communication Design unit will examine the way visual language can be used to convey ideas, information and messages in the fields of communication, environmental and industrial design. Students will employ a design process to generate and develop visual communications. students will also explore a range of manual and digital methods to develop and refine presentations. They will also identify and evaluate the effectiveness of strategies used by designers to appeal clearly to a specific target audience.

Duration

This subject runs for ONE semester.

Educational Objectives

This course enables students to:

Media unit:

- Creative problem-solving
- Technological skill in media equipment and ICT
- Software knowledge in Adobe creative suite software
- Teamwork
- Personal discipline through individually managed projects

Visual Communication unit:

- Develop a range of skills in selecting and applying media, materials, and manual and digital methods to suit design purposes
- Apply a design process to create visual communications
- Understand how historical, social, cultural, environmental and contemporary factors influence visual communications

Topics of Study

Media unit:

- Film and Photography
- Framing and composition
- Narrative and genre

Visual Communication Design unit:

- Design elements and principles – applying techniques to generate alternative design options
- Respond and Interpret – the analysis and evaluation of visual communication designs for different audiences and purposes in different contexts
- Exploration of various methods and media including 3D printing

Methods of Assessment

Students will complete a range of assessment tasks over the semester. These may include:

- Folio including completed Media product, Visual Communications (including 3D prototype) and Visual Diary documenting the design and production process.
- Responding Tasks
- End-of-semester examination

Young Engineers

Overview

This elective will give students the opportunity to practice critical thinking, problem-solving, creative and collaborative skills through project-based investigations. The course is intended to make connections between STEM learning areas (Science, Technology, Engineering and Mathematics) and real-life global applications, going beyond the simple transfer of knowledge. This project-based learning will be delivered through an Aeronautics unit that involves design, manufacture and testing of flight-capable machines, including the science and technology of operating aircraft and rockets within the atmosphere.

Duration

This subject runs for ONE semester.

Educational Objectives

By the end of the course, students will have been introduced to:

- Analytical skills to research a topic, develop a project plan and timeline, and draw conclusions from research results
- Science skills to break down a complex scientific system into smaller parts, recognize cause and effect relationships, and defend opinions using facts
- Mathematic skills for calculations and measurements
- The requirement of paying attention to detail in following a standard blueprint, recording data accurately, or writing instructions
- Technical skills to troubleshoot the source of a problem, repair a machine or modify a model, and computer capabilities to stay current on appropriate software and equipment

Topics of Study

- Fundamental flight forces
- Moving through fluids
- Controlling flight
- Rockets
- Flight investigations: aircraft design and aerofoils

Methods of Assessment

Students will complete a range of assessment tasks over the semester. These may include:

- Research projects
- Problem solving exercises
- Extended practical investigations
- Design and construction activities
- Tests and Data Analysis
- End of Semester examination

Young Entrepreneurs

Overview

This course specifically caters for those students who have a passion for problem-solving and are skilled critical thinkers. Students learn the basics of planning and launching their own successful business. They learn how to come up with new business ideas, attract investors to market their business and manage expenses. The course will be driven by project work, working in groups to establish a successful business or product. This course will challenge students to develop the core skills they need to be successful; leadership, communication, decision making, self-management and responsibility. Students will work on one project per term. The first will be presented to Hume Anglican Grammar's very own 'Sharks' – Mr Sweeney and his Senior Leadership Team. The other will be presented to local community members and parents.

Duration

This subject runs for ONE semester.

Educational Objectives

- Understanding the role of the entrepreneur
- Understanding economic principles
- Exploring major fields of business activities: production and delivery
- Defining a business and organisation
- Ability to market and promote a business or product
- Promotion of core competencies required to be a successful entrepreneur

Topics of Study

- Entrepreneurship Basics
- Small business basics
- Business ideas and opportunities
- Defining a business
- Marketing basics and promotion

Methods of Assessment

Students will complete a range of assessment tasks over the semester. These may include:

- Oral presentations
- Short investigative projects
- Annotated visual displays
- Research reports
- Multimedia presentations and posters
- End-of-semester examination

Contacts

Please contact the following staff should you have any queries.

FOR ALL ENQUIRIES		
Head of Curriculum – Secondary	Ms Ky Hinselwood	hinselwoodk@humegrammar.vic.edu.au
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