WONGAN HILLS DISTRICT HIGH SCHOOL

TERM OUTLINES

Term 1 2024

YEAR 10

Wongan Hills District High School

Cultivate

Year 10 English
Term 1 2024

Wk	Content/Teaching Points	Formal Assessment
1-4	**Short Story Response** · Elements of plot · Point of view · Characters - protagonist and antagonist · Direct and indirect characterisation · Mood vs Tone · Foreshadowing · Theme · Daily language conventions, punctuation and grammar, revising and editing in paragraph writing.	**Week 4**: Escape Room – The Monkey's Paw + Short Story Response to Unseen Story
5-8	**Documentary Study** · Conventions of a documentary · Sub-genres · Structure · Context and purpose · Audience response · Narrative / documentary conventions · Rhetoric language · Formulating and supporting ideas · Formal written expression / academic language · Daily language conventions, punctuation and grammar, revising and editing in paragraph writing.	**Week 8**: Paragraph responses to issues being explored in a documentary
9	**Reading Comprehension / Review** · Reading Comprehension tasks · Review and revise vocabulary of literacy terms	

Homework:
There are no set homework tasks for Year 10 English this term. However, students may be expected to complete some unfinished tasks at home or conduct research at home.

Please note that the information above is a guide only. The course content and assessment dates may change slightly over the term depending on student needs and abilities. Although the key concepts across the year levels are similar, there will be a differentiated approach to ensure the curriculum needs of each year level, as well as ability levels amongst students, are met.

Year 10 Program

Year Level Description

The proficiency strands **understanding, fluency, problem-solving** and **reasoning** are an integral part of mathematics content across the three content strands: number and algebra, measurement and geometry, and statistics and probability. The proficiencies reinforce the significance of working mathematically within the content and describe how the content is explored or developed. They provide the language to build in the developmental aspects of the learning of mathematics. The achievement standards reflect the content and encompass the proficiencies.

At this year level:

- **understanding** includes applying the four operations to algebraic fractions, finding unknowns in formulas after substitution, making the connection between equations of relations and their graphs, comparing simple and compound interest in financial contexts and determining probabilities of two- and three-step experiments
- **fluency** includes factorising and expanding algebraic expressions, using a range of strategies to solve equations and using calculations to investigate the shape of data sets
- **problem-solving** includes calculating the surface area and volume of a diverse range of prisms to solve practical problems, finding unknown lengths and angles using applications of trigonometry, using algebraic and graphical techniques to find solutions to simultaneous equations and inequalities and investigating independence of events
- **reasoning** includes formulating geometric proofs involving congruence and similarity, interpreting and evaluating media statements and interpreting and comparing data sets.

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Year 10 Mathematics
Term 1

Wk	Content/Teaching Points	Assessment
1- 3	**Number and Algebra** · **Number - Percentages** · % of a quantity · % increase/decrease by multiplying factor · Interest · Revise simple interest · Compound interest by repetition · Compound interest by formula	W4. Test 1 Number
4-5	Similar triangles Review conditions for congruent triangles. Perform dilations by grid and projection. · Investigate similar shapes – matching angles the same size, sides in same ratio · Know the conditions for similar triangles · Identify similar triangles · Identify congruent triangles · Solve similar triangles and congruent triangles	
6-9	**Measurement – Trig ratios** Pythagoras' Theorem Trig ratios · Use trig ratios and Pythagoras to solve right triangles	W8 Test 2. Space and Measurement

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Year 10 Mathematics
Term 2

Wk	Content/Teaching Points	Assessment
1-2	**Space and Measurement** · Use similarity to investigate the constancy of the sine, cosine and tangent ratios for a given angle in right-angled triangles (ACMMG223) · Apply trigonometry to solve right-angled triangle problems (ACMMG224)	
3-5	**Number and Algebra** · Sketch linear graphs using the coordinates of two points (ACMNA215) · Find the gradient of a line segment (interval) on the Cartesian plane using a range of strategies, including graphing software (ACMNA294) · Solve problems involving direct proportion. Explore the relationship between graphs and equations corresponding to simple rate problems (ACMNA208)	W4. Test 3 Number and Algebra
6-7	· Find the midpoint of a line segment (interval) on the Cartesian plane using a range of strategies, including graphing software (ACMNA294) · Find the distance between two points located on the Cartesian plane using a range of strategies, including graphing software (ACMNA214)	
8-10	· Calculate areas of composite shapes (ACMMG216) · Calculate the surface area and volume of cylinders and solve related problems (ACMMG217) · Solve problems involving the surface area and volume of right prisms (ACMMG218)	W8 Investigation 1 Space and Measurement
11	Revision and Consolidation for those not on Cadets – Bivouac Camp	

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Year 10 Home Economics
FOOD TECHNOLOGIES

	Learning Focus	Learning Activities	Assessment
1	INVESTIGATING CHOCOLATE	Magic Chocolate Cake	ASSESSMENT: Proof Is In The Pudding. Students will create their own dessert using a number of different components that have been studied. ASSESSMENT: Self-Management Mark
2	INVESTIGATING MERINGUES	Little Lemon Meringue Pies	
3	INVESTIGATING BATTERS	Pea and Haloumi Fritters	
4	INVESTIGATING DOUGHS	Biscuits	
5	INVESTIGATING FRUIT PUREES	Berry and Ice cream Puffs	
6	INVESTIGATING ICINGS AND FROSTINGS	Cupcakes	
7	INVESTIGATING CUSTARDS	Golden Syrup Custard Tart	
8	INVESTIGATING VEGETABLE PASTES	Pumpkin and Potatoes Soup	
9		EASTER COOKING	

Wongan Hills District High School

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Year 10 HASS

Term One History

WEEK	TEACHING POINTS	ASSESSMENT
1 - 2	· Historical Concepts · Timelines · The inter-war years between World War I and World War II.	
3-6	· The causes and course of World War II · An examination of significant events of World War II, including the Holocaust and use of the atomic bomb	**ASSESSMENT**: Source Analysis Investigation into the Holocaust
7 - 9 Term 1 1-2 Term 2	· The origins and significance of the Universal Declaration of Human Rights, including Australia's involvement in the development of the declaration · The background to the struggle of Aboriginal and Torres Strait Islander Peoples for rights and freedoms before 1965	**ASSESSMENT:** Timed written response on Rights and Freedoms of Aboriginal and TSI Peoples

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Wongan Hills District High School

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Year 10 Science
Term 1 2024

Physical Sciences

Wk	Content/Teaching Points	Assessment
1 – 4	**Motion** · Calculate distance, displacement, speed and velocity from word problems. · Interpret distance-time graphs and use these graphs to extract speed and/or velocity · Interpret speed-time graphs and use these graphs to extract distance and/or displacement. · Measure speed in different ways e.g. measuring distance and time or using a ticker tape machine. **Acceleration and Gravity** · Introduce the concept of acceleration and the S.I. units m/s^2 · Calculate acceleration with the formula a = (v - u)/t and rearrange the formula to solve for final velocity. · Introduce the idea of deceleration as negative acceleration. · Calculate the velocity of a falling object using a = g = 9.8 m/s^2 · Measure the acceleration due to gravity using a ticker tape machine or have students design their own experiments. · Use negative acceleration to calculate the final velocity of objects thrown upwards, into the air	Test 1
5-8	**Newton's First Law** · Revise the concept of a force and different types of forces. · Explain Newton's First Law of Motion i.e. an object will remain in its current state of motion unless an unbalanced for acts on it. · Identify situations where: - Forces are balanced and the object is stationary - Forces are balanced and the object is moving - Forces are unbalanced and the object is changing speed, direction or shape. In each case identify the forces acting of the object that are balanced or unbalanced. **Newton's Second Law** · Explain Newton's Second Law using the formula F = ma · Calculate F, m and a from word problems · Introduce the concept of weight as a force and contrast with mass · Measure the weight of objects in Newtons using a Newton balance · Calculate the weight and mass of objects in different gravitational fields e.g. on the moon or a different planet. **Newton's Third Law** · Explain Newton's Third Law i.e. for every action there is an equal and opposite reaction. · Identify examples of action and reaction pairs · Study friction as a reaction force examining why we need friction and also why we often try to minimise friction. Study thrust as a reaction force e.g. in space rockets.	Test 2
9-10	**Energy Transfer and Transformation** · Revise different types of energy · Identify examples of energy transformation and transfer. · Introduce the law of conservation of energy. Draw energy flow diagrams to show the total energy before and after a transformation or transfer. **Transformation of Kinetic and Potential Energy** · Revise the definitions of kinetic energy (KE = ½ mv^2) and gravitational potential energy (PE = mgh). · Solve problems relating to the transfer between KE and PE in the following situations: · Throwing or dropping a ball directly up or down · Projectiles (neglecting air resistance) A pendulum without air resistance	Assignment

Homework:
There is no set homework for the Year 10 students this term, however, it is recommended that students aiming for an ATAR pathway consolidate their learning at home.
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Although the key concepts across the year levels are similar, there will be a differentiated approach to ensure the curriculum needs of each year level are met.

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Year 10 Visual Arts
Semester1 2024

Wk	Content/Teaching Points	Classwork & Assessment
1-3 Making	Students will study artworks depicting portions of the human face or partially obscured faces. They will study face composition and expressions. They will plan an art piece that depicts a clear message, emotion or story via the representation of only a portion of a human face. Students will receive instruction on the art media of their choosing, i.e. acrylic paint, watercolour, pencil, pastel, charcoal.	Students will produce well-considered preliminary ideas for the creation of their artwork. They will annotate their designs and undertake a purposeful exploration of specific media, materials and techniques. They will document results in detail to inform and help plan choices in the execution of their design.
4-5 Making & Responding	In groups students will examine in detail specific techniques employed artists with a focus on applying said techniques to their own work if appropriate. They will be taught to appropriate techniques; and document the drawing and design process in detail, with reference to specific design features and accurate use of elements and principles in annotations.	They will reference artistic influences with detailed annotations and visual evidence; provides specific reflective comments and opinions about decisions made in the creative process. Students will make detailed comments about visual conventions and how they have specifically contributed to the meaning of their artwork. They will identify relevant visual conventions and accurately describe why an artist specifically employed these to create a compositional arrangement. Students will select and effectively apply appropriate artistic conventions to communicate ideas and meet audience expectations.
6-7 Making	Students will be expected to develop a distinct personal style through significant exploration and refinement of an idea, effectively communicated in their own artwork whilst remaining true to the given brief. Students will be taught how to purposefully select and discerningly apply a range of compositional techniques to create a complex design. Students will be supported in independently choosing specific techniques and processes to develop and effectively represent an idea, subject or style in their finished artwork.	They will convincingly communicate their own artistic intention by the careful consideration of the selection and manipulation of specific materials, techniques, technologies and processes, in a safe manner. Students will further develop their artworks in a unique style. They will carefully select and effectively apply specific techniques and experiment with them, in the development of their painting.
8-9 Making & Responding	Students will be provided a scaffold for a critical analysis framework to correctly and accurately describe an artwork, providing a detailed interpretation and informed opinion and judgement.	Students will produce a finished artwork by effectively implementing the chosen design and specified process. Though the scope of individual works may extend into the following term. They will apply correct and effective presentation conventions to enhance and purposefully display their own artwork. They will Provide a comprehensive reflection, informed opinion and a well-supported judgement of their own artwork and or the artwork of others. Explains in detail, and with evidence, alternative viewpoints and the significance of an artwork in a given context.

Please note that the information above is a guide only. The course content and assessment dates may change over the term. Work will also be differentiated to account for individual student needs and stages of learning and may extend over terms and semesters.

Wk	Content/Teaching Points	Classwork & Assessment
10-12 Making	Students may continue with their work from the previous term if unfinished or may undertake introductory lessons in ceramic work.	Students will learn terms and processes associated with sculpting in clay. They will experiment with clay and associated tools, processes, mediums and techniques.
13-14 Making & Responding	Students will undertake introductory lessons in various clay sculpting and potting techniques with the aim to produce an art piece that can be glazed and fired.	Students will refine their techniques and processes to produce a clay art piece suitable for glazing and firing.
15-16 Making	Students will undertake lessons in glazing techniques and kiln firing.	Students will glaze and fire their selected art piece.
17-18 Making & Responding	Students will be provided a scaffold for a critical analysis framework to correctly and accurately describe an artwork, providing a detailed interpretation and informed opinion and judgement.	Students will produce a finished artwork by effectively implementing the chosen design and specified process. Students will provide specific reflective comments and opinions about their creative process with evidence to justify statements. They will apply correct and effective presentation conventions to enhance and purposefully display their own artwork.

Assessments completed in Term one will be combined with assessments from Term two to determine a grade for the Semester.

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Year 10 Digital Media
Semester One 2024

TERM ONE		
Wk	**Content/Teaching Points**	**Formal Assessment**
1-2	**Introduction to Digital Media** · What is digital media? · Where / how used · Digital Media Literacy · Careers in digital media	
3	· Planning, Design & Development · Target audience	
4	· File types · QR codes	
5-6	· Research how businesses use digital media · Develop slideshow	**Week 5 + 6 -** Digital Media Research + Presentation
7	· Digital graphics · Design elements	
8 - 9	· Using Canva to create graphics · Digital Media Project	
TERM TWO		
Wk	· **Content/Teaching Points**	**Formal Assessment**
1	· Digital Media Project	**Week 1 -** Digital Media Project – Create a digital graphic
2	· Presentation of digital graphics · Digital graphics software	
3 -4	· Introduction to photography + editing	
5	· Logos · Creating logos	
6-7	· Personal Logo Project	**Week 6 + 7 -** Personal Logo Project
8	· Digital audio basics	
9	· Digital audio software · Trimming and editing audio	
10-11	· Creating digital audio ads	

Homework and Computer Access: There are no set homework tasks for Year 10 Digital Media this semester. However, students may be expected to complete some unfinished tasks at home or conduct research at home. Students will be accessing computers and the internet each lesson. Computer Use Agreement and permission to access the internet must be completed by caregivers for students to fully participate each week. Please note that the information above is a guide only. The course content and assessment dates may change overreach term depending on student needs and abilities and digital media skillset.		