

VCE SUBJECTS DESCRIPTIONS 2019

THIS INFORMATION REFERS TO 2019 ONLY. PLEASE SEE THE 2020 VERSION FOR UP-TO-DATE INFORMATION ON COURSES AND TEXTBOOKS.

NOTE: There are digital versions of many of the textbooks which can be used instead of the book version.

BIOLOGY UNIT 1 & UNIT 2

Description: Students who are interested in life in all its workings and variety will enjoy the study of Biology. Biology is also fundamental foundation for further study in nursing and other health related fields. In this unit, students are introduced to some of the challenges to an organism in sustaining life. Students examine the cell as the structural and functional Unit of life, from the single celled to the multicellular organism.

Areas of Study Unit 1:

1. How do organisms function?
2. How do living systems sustain life?
3. Practical investigation

Areas of Study Unit 2:

1. How are species related?
2. How do humans impact on biological processes?
3. Practical investigation

Assessment: Subject tests, Practical Investigations, Log-Book, Poster Presentation.

Textbook: Heinemann Biology 1 Student Book 5th edition Publisher Pearson (5th edition) ISBN 9781488611223; Biozone Biology for VCE Units 1 & 2 - Student Workbook, ISBN: 9781927309407 2016 (1st Edn)

Other Resources: Weekly materials, Unit schedules and handouts are accessed through the Student Web.

BIOLOGY UNIT 3 & UNIT 4

Description: Students extend their knowledge of the workings of cells and deepen their understanding. In these Units, students investigate the workings of the cell from several perspectives. They consider the continual change and challenges to which life on Earth has been subjected. A student practical investigation related to the survival of an organism or species is undertaken in Area of Study 3.

Areas of Study Unit 3:

1. How do cellular processes work?
2. How do cells communicate?

Areas of Study Unit 4:

1. How are species related?
2. How do humans impact on biological processes?
3. Practical investigation

Assessment: Subject tests, Practical Investigations, Log-Book.

Text book: Text: Heinemann Biology 2 Student Book/Pearson ebook 3.0 Combo Pack (5e) ISBN: 9781488611230; Workbook: Biozone Biology for VCE Units 3&4 Student Workbook (2017 1st Ed) ISBN: 978-1-927309-41-4

Other Resources: Weekly materials, Unit schedules and handouts are accessed through the Student Web.

BUSINESS MANAGEMENT UNIT 1 & UNIT 2:

Description: Business management is for students who are interested in business and management. Small business management provides an opportunity for students to explore the operations of a small business and its likelihood of success. Unit 2 focuses on the importance of communication in achieving business success. They develop knowledge of business and are introduced to important communication skills.

Areas of Study Unit 1:

1. The business idea
2. External environment
3. Internal environment

Areas of Study Unit 2:

1. Legal requirements and financial considerations
2. Marketing a business
3. Staffing a business

Assessment: Topic tests, a report, a folio of work and development of a business plan.

Textbook: VCE Business Management Units 1 and 2, Cain, Jeffery, Somers, Cambridge, 2017 Edition **only**.

Other Resources: Weekly materials, Unit schedules and handouts are accessed through the Student Web.

BUSINESS MANAGEMENT UNIT 3 & UNIT 4:

Description: In this course, students develop their skills and knowledge of business and its management. This course examines the environment in which large scale organisations conduct their business and develop an understanding of the complexity and challenges of managing large scale organisations. There is a focus on the human resource management. The course concludes with an analysis of the management of change.

Areas of Study Unit 3:

1. Business foundations
2. Managing employees
3. Operations management

Areas of Study Unit 4:

1. Reviewing performance – the need for change
2. Implementing change

Assessment: Topic tests, short answer questions, a report and a case study.

Text book: Cambridge VCE Business Management Units 3&4 Cain, Jeffery and Somers, 2017 edition only

Other Resources: Weekly materials, Unit schedules and handouts are accessed through the Student Web.

CHEMISTRY UNIT 1 & UNIT 2:

Description: Year 11 Chemistry introduces the big ideas of Chemistry: the periodic table, atomic theory and bonding. Later in the year, the study focuses on environmental Chemistry: water and the atmosphere, including quantitative chemical calculations. Students conduct experiments and analyse the data produced.

Areas of Study Unit 1:

1. How can knowledge of elements explain the properties of matter?
2. How can the versatility of non-metals be explained?
3. Research investigation

Areas of Study Unit 2:

1. How do substances interact with water?
2. How are substances in water measured and analysed?
3. Practical investigation

Assessment: Topic tests, practical investigations, log-book, research investigation.

Textbook: Jacaranda Chemistry 1, Taylor, Stubbs and Stokes: 2016; Scientific Calculator.

Other Resources: Weekly materials, Unit schedules and handouts are accessed through the Student Web.

CHEMISTRY UNIT 3 & UNIT 4:

Description: In this unit, students explore energy options and the chemical production of materials with reference to efficiencies, renewability and the minimisation of their impact on the environment. Also, students explore the factors that increase the efficiency of a chemical manufacturing process while reducing the energy demand and costs.

Areas of Study Unit 3:

1. What are the options for energy production?
2. How can the yield of a chemical product be optimised?
3. Operations management

Areas of Study Unit 4:

1. How can the diversity of carbon compounds be explained?
2. What is the chemistry of food?
3. Practical investigation

Assessment: Reports, short answer questions, a scientific poster.

Textbook: Heinemann, Chemistry 2, 5th ed Pearson 2017; NEAP Smart Study Questions, Chemistry Units 3&4 2017. Scientific calculator

Other Resources: Weekly materials, Unit schedules and handouts are accessed through the Student Web.

CLASSICAL STUDIES UNIT 1 & UNIT 2

Description: In Unit 1, students explore the myths of Ancient Greece, their expressions in art, literature and religious practices and the archaeological discoveries that have illuminated these myths. In Unit 2, we focus on the history of the Classical Period, the 5th century BCE and the achievements of Athens in its Golden Age.

Areas of Study Unit 1:

1. Gods, heroes and monsters
2. Myths and archaeology
3. Myths in classical cultures

Areas of Study Unit 2:

1. Society through culture
2. Classics through time

Assessment: Short answer questions, a presentation, profile of an archaeological site.

Textbook: No prescribed text.

Other Resources: Weekly materials, Unit schedules and handouts are accessed through the Student Web.

ANCIENT HISTORY UNIT 3 & UNIT 4:

Description: Units 3 & 4 - Egypt, Greece and Rome were major civilisations of the ancient Mediterranean. They have bestowed a powerful legacy on the contemporary world. In each of Units 3 and 4, students explore the structures of one of these societies and a period of crisis in its history. Life in these ancient societies was shaped by the complex interplay of social, political and economic factors. Trade, warfare and the exchange of ideas between societies also influenced the way people lived. Furthermore, all three societies experienced dramatic crises which caused massive disruption. During these times of upheaval, individuals acted in ways that held profound consequences for themselves and for their society.

Areas of Study Unit 3:

1. New Kingdom Egypt: The social, political and economic features of an ancient society
2. Evaluate the historical significance of a crisis in an ancient society

Areas of Study Unit 2:

1. The social, political and economic features of an ancient society
2. Evaluate the historical significance of a crisis in an ancient society

Assessment: Research analysis, source analysis, short answer questions, course work.

Textbook: Studies in Ancient Egypt Lawless, Cameron and Kenworthy. Nelson Cengage 3rd Edition, 2010.

Other Resources: Weekly materials, Unit schedules and handouts are accessed through the Student Web.

ENGLISH UNIT 1 & UNIT 2:

Description: When students study English they not only complete one of the compulsory VCE subjects, they also develop key reading and writing skills needed in most other academic areas and in everyday life. The course presents classical and contemporary books, plays, films from Australia and beyond.

Areas of Study Unit 1:

1. Reading and Creating Texts – *Cosi* by Louis Nowra; Selected Short Stories
2. Analyzing and Presenting Argument on a Current Issue

Areas of Study Unit 2:

1. Reading and Comparing Texts
2. Analyzing and Presenting Argument on a Current Issue

Assessment: Written essays, course work, a speech.

Textbook: **Semester 1:** *Cosi* by Louis Nowra; *Growing up Asian in Australia*, edited by Alice Pung; **Semester 2:** *Ray Bradbury, Fahrenheit 451*, Harper Voyager, 2008.

Other Resources: Weekly materials, Unit schedules and handouts are accessed through the Student Web.

ENGLISH UNIT 3 & UNIT 4:

Description: In these Units, students respond to texts in written and oral form, in order to become confident, articulate communicators, able to coherently structure material, synthesize complex ideas, and critically analyse persuasive language used in arguments. Studying the mechanics of language supports this process. Ideally, studying English helps equip students for participation in a democratic society and the global community.

Areas of Study Unit 3:

1. Reading and Creating Texts
2. Analyzing and Presenting Argument

Areas of Study Unit 4:

1. Reading and Comparing Texts
2. Analyzing and Presenting Argument

Assessment: Written essays, course work, a speech.

Textbook: Toni Jordan, *Nine Days*, Text Publishing, 2013; Hani Rayson, 'Extinction', in *Endangered*, Currency Press, 2017

Other Resources: Weekly materials, Unit schedules and handouts are accessed through the Student Web.

ENGLISH LANGUAGE UNIT 3 & UNIT 4

Description: English Language Unit 3 looks at how people vary the style of their language according to contextual factors and social purposes. Students look at the distinctive stylistic features of formal and informal language in both spoken and written modes, and think about how / why speakers and writers choose to vary their style to suit particular social purposes and contexts. Unit 4 looks at the relationship between language and identity – how language varieties in contemporary Australian society contribute to a shared national identity, and how language is used to express individual identities and show membership of particular social groups.

Areas of Study Unit 3:

1. Informal Language
2. Formal Language

Areas of Study Unit 4:

1. Language variation in Australian society
2. Individual and group identities

Assessment: Written essays, short answer questions, course work.

Textbook: Living Lingo, Burrige & de Laps, Units 3&4, Boo Books, 2014; VCE English Language Exam Guide (3rd Ed) K Fox. Insight Publications

Other Resources: Weekly materials, Unit schedules and handouts are accessed through the Student Web.

GLOBAL POLITICS UNIT 3 & UNIT 4:

Description: *This course looks at contemporary history; the world as it is happening at the present moment. Four areas are studied: UN and multinational corporations, power in the Asia Pacific region, human rights and, the environment. The course involves gathering information from the internet, watching documentaries and reading newspapers critically. Students collect and gain knowledge from engagement with current affairs.*

Areas of Study Unit 3:

1. Global Actors
2. Power in the Asia-Pacific

Areas of Study Unit 4:

1. Ethical issues and Debates
2. Global Crises

Assessment: Written essays, short answer questions, course work.

Textbook: VCE Global Politics Units 3 & 4 1st edition, Anna-Louise Simpson et al.

Other Resources: Weekly materials, Unit schedules and handouts are accessed through the Student Web.

GLOBAL EMPIRES UNIT 1 & UNIT 2:

Description: In this subject students study, the Early Modern era, 1400–1775, a time of transition between medieval feudalism and the modern, secular nation-state. At the dawn of the era, international trade was dominated by three powerful empires – the Venetian Empire, China under the Ming dynasty and the Ottoman Empire – who between them controlled key industries, commodities and trade hubs including the Silk Road. In Unit 2, students explore the operation of European colonies and the challenges they faced from within and without.

Areas of Study Unit 3:

1. Exploration and expansion
2. Disruptive ideas

Areas of Study Unit 4:

1. New colonies, new profits
2. Challenges of empires

Assessment: Written essay, source analysis, historical enquiry, historical timeline, course work.

Textbook: No prescribed text. Handouts will be provided via the Student Web.

Other Resources: Weekly materials, Unit schedules and handouts are accessed through the Student Web.

HEALTH & HUMAN DEVELOPMENT UNIT 1 & UNIT 2:

Description: Students study health and wellbeing from a number of perspectives. Students look at changes and expectations that are part of the progression from youth to adulthood. This Unit promotes the application of health literacy skills through an examination of adulthood.

Areas of Study Unit 1:

1. Health perspectives and influences
2. Health and nutrition
3. Youth health and wellbeing

Areas of Study Unit 2:

1. Developmental transitions
2. Health care in Australia

Assessment: Topic test, short answer questions, course work.

Textbook: Cambridge VCE Health and Human Development Unit 1 and 2, Goodacre, Collins & Slattery: 3rd edition, Cambridge.

Other Resources: Weekly materials, Unit schedules and handouts are accessed through the Student Web.

HEALTH & HUMAN DEVELOPMENT UNIT 3 & UNIT 4:

Description: Students study health, wellbeing and illness as multidimensional, looking at different interpretations. This area of study looks at different approaches to public health over time, with an emphasis on changes and strategies that have succeeded in improving health and wellbeing. Students examine the progression of public health in Australia.

Areas of Study Unit 3:

1. Reading and Creating Texts
2. Analyzing and Presenting Argument

Areas of Study Unit 4:

1. Reading and Comparing Texts
2. Analyzing and Presenting Argument

Assessment: Topic tests, short answer questions, course work, a report.

Textbook: Cambridge VCE Health and Human Development Unit 3 and 4 Goodacre, Collins & Slattery 3rd edition, Cambridge.

Other Resources: Weekly materials, Unit schedules and handouts are accessed through the Student Web.

LEGAL STUDIES UNIT 1 & UNIT 2:

Description: In this unit students develop an understanding of legal foundations, such as the different types and sources of law and the existence of a court hierarchy in Victoria. They develop an understanding of key concepts in criminal law and types of crime, and investigate two criminal offences in detail.

Areas of Study Unit 1:

1. Legal foundations
2. The presumption of innocence
3. Civil liability

Areas of Study Unit 2:

1. Sanctions
2. Remedies
3. Rights

Assessment: Topic tests, case studies, short answer questions.

Textbook: Access & Justice VCE Units 1 & 2, Filippin, Gray, Beazer, Wilson & Farrar (2017): 13th edition Oxford University Press ISBN 9780190310325.

Other Resources: Weekly materials, Unit schedules and handouts are accessed through the Student Web.

LEGAL STUDIES UNIT 3 & UNIT 4:

Description: In these Units, students examine the methods and institutions in the justice system and consider their appropriateness in determining criminal cases and resolving civil disputes. They consider the factors relevant to commencing a civil claim, examine the institutions and methods used to resolve a civil dispute. They explore the purposes and types of remedies.

Areas of Study Unit 3:

1. The Victorian criminal justice system
2. The Victorian civil justice system

Areas of Study Unit 4:

1. The people and the Australian Constitution
2. The people, the parliament and the courts

Assessment: Case studies and short answer questions.

Textbook: Justice and Outcomes VCE Units 3 and 4 14th Filippin, Beazer, Wilson & Farrar (2017) Ed. Oxford University Press ISBN 9780190310363.

Other Resources: Weekly materials, Unit schedules and handouts are accessed through the Student Web.

LITERATURE UNIT 1 & UNIT 2:

Description: In these Units, students respond critically, creatively and reflectively to the ideas and concerns of texts and gain insights into how texts function as representations of human experience. They consider how texts may reflect or comment on the interests of individuals and particular groups in society and how texts may support or question particular aspects of society.

Areas of Study Unit 1:

1. Reading practices
2. Ideas and concerns in texts

Areas of Study Unit 2:

1. The text, the reader and their contexts
2. Exploring connections between texts

Assessment: Written and oral components, text response essays.

Textbook: UNIT 1: Jane Austen, *Pride and Prejudice* (Penguin Classics edited by Vivien Jones 1996, or any complete edition). Oscar Wilde, *The Importance of Being Earnest* (Penguin Classics *The Importance of Being Earnest and Other Plays* edited by Richard Allen Cave, 2000, or any complete edition). **UNIT 2:** Angela Carter, *The Bloody Chamber and Other Stories*, the Vintage edition, (with introduction by Helen Simpson, 2014, or any complete edition). William Shakespeare, *The Merchant of Venice* (the Cambridge School Shakespeare edition, edited by Robert Smith, 2014, or any complete edition).

Other Resources: Weekly materials, Unit schedules and handouts are accessed through the Student Web.

LITERATURE UNIT 3 & UNIT 4:

Description: In these Units, students study a variety of texts, comparing and developing their skills in the close reading and analysis. Students learn about different interpretive theories, such as, feminism and Marxism and apply them to texts. Students respond creatively to texts developing their own ideas in response to the writing of others.

Areas of Study Unit 3:

1. Adaptations and Transformations
2. Creative responses

Areas of Study Unit 4:

1. Literary Perspectives
2. Close analysis

Assessment: Written essays, creative pieces and course work.

Textbook: William Shakespeare, *Twelfth Night* (Cambridge School Shakespeare), Anthony Partington & Richard Spencer (Eds), Cambridge University Press, 2014. Tennessee Williams, *Cat on a Hot Tin Roof*, Penguin Modern Classics, 2009

Other Resources: Weekly materials, Unit schedules and handouts are accessed through the Student Web.

MATHEMATICS: *Please see the appendix at the end of this document to see how the maths subjects related to each other.*

GENERAL MATHEMATICS UNIT 1 & UNIT 2:

Description: General Mathematics is for students who want a broad range of everyday mathematical topics. General Mathematics is studied in Year 11 only and is preparation for Further Mathematics Units 3 & 4. General Mathematics provides a foundation for further study in wide variety of areas including business, nursing, commerce and health services. The areas of study for General Mathematics Unit 1 and Unit 2 are 'Algebra and structure', 'Arithmetic and number', 'Discrete mathematics', 'Geometry, measurement and trigonometry', 'Graphs of linear and non-linear relations' and 'Statistics'. Students are expected to have some knowledge of mathematical principles and concepts taught in Year 10.

Areas of Study Unit 1:

1. Algebra and structure
2. Arithmetic and number
3. Discrete mathematics

Areas of Study Unit 2:

4. Geometry, measurement and trigonometry
5. Graphs of linear and non-linear relations
6. Statistics

Assessment: Topic tests, quizzes, assignments and course work.

Textbook: Jacaranda Maths Quest 11 General Mathematics VCE Units 1 & 2 2nd edition 2018. Textbook is available in Print & eBook or Digital only. Print & eBook ISBN: 9780730356899 Digital Only ISBN: 9780730356943. CASIO ClassPad fx-CP400 or 300PLS

Other Resources: Weekly materials, Unit schedules and handouts are accessed through the Student Web.

FURTHER MATHEMATICS UNIT 3 & UNIT 4:

Description: Further Mathematics is only studied in Year 12. It is for students who want to study a broad range of everyday mathematical topics. It continues the topics learned in General Mathematics. In undertaking these units, students are expected to know and understand rational and real arithmetic, sets, lists and tables, diagrams and geometry, algebra, equations, and graphs.

Areas of Study Unit 3:

1. Data analysis
2. Financial Mathematics

Areas of Study Unit 4:

1. Graphs
2. Matrices

Assessment: Topic tests, quizzes, assignments and course work.

Textbook: Jacaranda Maths Quest 12 Further Mathematics VCE Units 3 & 4 6th edition; CASIO ClassPad fx-CP400 or 300PLS.

Other Resources: Weekly materials, Unit schedules and handouts are accessed through the Student Web.

MATHEMATICAL METHODS UNIT 1 & UNIT 2:

Description: Maths Methods is higher level mathematics and covers a range of topics which are more theoretical and conceptual. This maths is used in studies such as engineering, medicine, science and IT. Mathematical Methods Units 1 and 2 provide an introductory study of functions of a single real variable, algebra, calculus, probability and statistics and their applications in a variety of practical and theoretical contexts.

Areas of Study Unit 1:

1. Functions and graphs
2. Algebra
3. Probability and statistics

Areas of Study Unit 2:

4. Functions and graphs
5. Graphs of linear and non-linear relations
6. Statistics

Assessment: Topic tests, quizzes, assignments and course work.

Textbook: Mathematical Methods VCE Units 1&2 (print and interactive textbook powered by HOTmaths)
ISBN: 9781107520134; CASIO ClassPad 400 calculator.

Other Resources: Weekly materials, Unit schedules and handouts are accessed through the Student Web.

MATHEMATICAL METHODS UNIT 3 & UNIT 4:

Description: Mathematical Methods Year 12 continues the topics studied in Year 11. Maths Methods is higher level mathematics and covers a range of topics which are more theoretical and conceptual. This maths is used in studies such as engineering, medicine, science and IT. Year 12 includes combinations of the functions, algebra, calculus, probability and statistics, and their applications in a variety of practical and theoretical contexts.

Areas of Study Unit 3:

1. Functions and differential calculus
2. Calculus

Areas of Study Unit 4:

3. Probability and statistics
4. Algebra

Assessment: Topic tests, quizzes, assignments and course work.

Textbook: Mathematical Methods VCE Units 3&4 (print and interactive textbook powered by HOTmaths)
ISBN: 9781107567474; CASIO ClassPad 400 calculator.

Other Resources: Weekly materials, Unit schedules and handouts are accessed through the Student Web.

SPECIALIST MATHEMATICS UNIT 3 & UNIT 4:

Description: Specialist Mathematics is the highest level of Mathematics offered at the CAE. It involves highly theoretical and conceptual Mathematics and extended problem-solving. This Mathematics can only be studied in combination with Mathematical Methods Units 3 & 4, because topics studied in Maths Methods are assumed knowledge in Specialist Mathematics. Students who wish to take this study should consult with an advisor to find out if this is the best study for them. This Mathematics is used in studies such as engineering, medicine, science and IT. In undertaking these Units, students study rational, real and complex arithmetic, sets, lists and tables, diagrams and geometric constructions, algebraic manipulation, equations, graphs, differentiation, anti-differentiation and integration and inference.

Areas of Study Unit 3:

1. Vectors and Functions
2. Complex Numbers
3. Integration

Areas of Study Unit 4:

4. Probability and statistics
5. Mechanics

Assessment: Topic tests, quizzes, assignments and course work.

Textbook: Australian Curriculum/VCE Specialist Mathematics VCE Units 3&4 Cambridge Senior Mathematics: (Interactive textbook powered by HOT Maths) ISBN: 9781107587434. Publication Date: 8/12/15 CASIO ClassPad 400 calculator

Other Resources: Weekly materials, Unit schedules and handouts are accessed through the Student Web.

PHILOSOPHY UNIT 1 & UNIT 2:

Description: This course explores fundamental issues, such as the difference between knowledge and belief, the meaning of existence, and what makes a particular act morally right or wrong. Unit 1 focuses on understandings of existence and knowledge, drawing on ideas from historical philosophers. Unit 2 examines the ethical tradition and values identified within philosophy, and how ethical dilemmas continue to arise within contemporary society.

Areas of Study Unit 1

1. Metaphysics
2. Epistemology
3. Introduction to philosophical inquiry

Areas of Study Unit 2

1. Ethics and moral philosophy
2. Further problems in value theory
3. Techniques of philosophical inquiry

Assessment: Essays, short answer questions and course work.

Textbook: Philosophy booklets will be available as a pdf.

Other Resources: Weekly materials, Unit schedules and handouts are accessed through the Student Web.

PHILOSOPHY UNIT 3 & UNIT 4:

Description: The word ‘philosophy’ means “love of wisdom”. So, what is wisdom? Is it knowing what is true, how we should live, or our place in nature? This course introduces critical methods of argument, analysis and evaluation that have been developed by philosophers over time in response to these central questions, and encourage use of these methods in attempting to answers those questions that have always been relevant to life, and their participation in contemporary society.

Areas of Study Unit 3

1. Mind and bodies
2. Personal identity

Areas of Study Unit 4

1. Conceptions of the good life
2. Living the good life in the 21st century

Assessment: Essays, short answer questions and course work.

Textbook: Philosophy booklets will be available as a pdf.

Other Resources: Weekly materials, Unit schedules and handouts are accessed through the Student Web.

PHYSICS UNIT 1 & UNIT 2

Description: ‘Why is it so?’ Physics seeks to understand and explain the physical world. It examines models and ideas used to make sense of the world, and which are sometimes challenged as new knowledge develops. Unit 1 focuses on the study of electricity, radioactivity and nuclear energy. Unit 2 explores movement and light. Year 10 Maths is a desired prerequisite.

Areas of Study Unit 1

1. How can thermal effects be explained?
2. How do electric circuits work?
3. What is matter and how is it formed?

Areas of Study Unit 2

1. How can motion be described and explained?

Assessment: Topic tests, practical investigations, short answer questions, log book.

Textbook: ISBN 9780730373155 JACARANDA PHYSICS 1 VCE UNITS 1&2 LEARNON & PRINT 4E (INCL. STUDYON)
O’Keefe et al. Scientific calculator.

Minimum: Online edition; Maximum: Online + hardcopy book.

Other Resources: Weekly materials, Unit schedules and handouts are accessed through the Student Web.

PHYSICS UNIT 3 & UNIT 4:

Description: Physics involves the study of sound, motion, gravity, structures and materials, ideas about light and matter, electronic systems, electric power, and principles of investigation. Unit 3 topics include sound, electric power, electronic systems. Unit 4 topics are motion, gravity, structures and materials, ideas about light and matter. Through class presentations, discussions and practical work (including a learner report on their practical work), learners will gain knowledge in how to respond to written material, and solve problems.

Areas of Study Unit 3

1. How do things move without contact?
2. How are fields used to move electrical energy?
3. How fast can things go?

Areas of Study Unit 4

1. How can waves explain the behavior of light?
2. How are light and matter similar?
3. Practical investigation.

Assessment: Practical logbook, test, structured questions

Textbook: ISBN 9780730373285 JACARANDA PHYSICS 2 VCE UNITS 3&4 LEARNON & PRINT 4E (INCL. STUDYON)
O'Keefe et al. Checkpoints 2019 (Cambridge). Scientific calculator
Minimum: Online edition; Maximum: Online + hardcopy book

Other Resources: Weekly materials, Unit schedules and handouts are accessed through the Student Web.

PSYCHOLOGY UNIT 1 & UNIT 2

Description: These Units introduce psychology as the scientific study of behaviour and mental processes. Human development involves changes in thoughts, feelings and behaviours. In Unit 1 we investigate the structure and functioning of the human brain and the role it plays in the overall functioning of the human nervous system. We explore concepts such as brain plasticity, brain damage and the complex nature of psychological development and relate this to classical and contemporary studies. **Unit 2:** How do external factors influence behaviour and mental processes? A person's thoughts, feelings and behaviours are influenced by a variety of biological, psychological and social factors. We investigate areas such as perception, illusions and distortions. We evaluate the role social cognition plays in a person's attitudes, perception of themselves and relationships with others as well as exploring a variety of factors and contexts that can influence the behaviour of an individual and groups.

Areas of Study Unit 1

1. How does the brain function?
2. What influences psychological development?
3. Student directed research investigation.

Areas of Study Unit 2

1. What influences a person's perception of the world?
2. How are people influenced to behave in particular ways?
3. Student directed practical investigation.

Assessment: Topic test, short answer questions, practical investigation.

Textbook: Psychology VCE Units 1&2, John Grivas 8th edition & eBookPLUS.

Other Resources: Weekly materials, Unit schedules and handouts are accessed through the Student Web.

PSYCHOLOGY UNIT 3 & UNIT 4:

Description: VCE Psychology enables students to explore how people think, feel and behave through the use of a biopsychosocial approach. Students explore the connection between the brain and behaviour by focusing on several key interrelated aspects of the discipline: the interplay between genetics and environment, individual differences and group dynamics, sensory perception and awareness, memory and learning, and mental health.

In Unit 3, students explore the role of different branches of the nervous system in enabling a person to integrate, coordinate and respond to internal and external sensory stimuli. In Unit 4, students examine the nature of consciousness, and how changes in levels of consciousness can affect mental processes and behavior.

Areas of Study Unit 3

1. How does the nervous system enable psychological functioning?
2. How do people learn and remember?

Areas of Study Unit 4

1. How do levels of consciousness affect mental processes and behavior?
2. What influences mental wellbeing?
3. Practical investigation.

Assessment: Test, structured questions, practical investigation.

Textbook: Grivas J and Leitch L (2016)_Psychology VCE Units 3 and 4 7e eBookPLUS & print + studyON_7th edition, Melbourne, Jacaranda Publishers.

Other Resources: Weekly materials, Unit schedules and handouts are accessed through the Student Web.

SOCIOLOGY UNIT 1 & UNIT 2

Description: Sociology focuses on the study of human behaviour and social interaction to understand how societies are organised, develop and change. Unit 1 explores the social category of youth and the social institution of family. In Unit 2 students explore the concepts of deviance and crime.

Areas of Study Unit 1

1. Category and experience of youth.
2. The family.

Areas of Study Unit 2

1. Deviance
2. Crime

Assessment: Topic tests, short answer questions and course work.

Textbook: Sociology VCE Units 1&2 Maria Babejja, Despina Rentos & Analia Solis (2017): 1st Ed. ISBN 978-0-9953545-4-8

Other Resources: Weekly materials, Unit schedules and handouts are accessed through the Student Web.

SOCIOLOGY UNIT 3 & UNIT 4:

Description: This study explores expressions of culture and ethnicity in Australian society, together with the idea of community. In Unit 3 Australian indigenous culture is contrasted with the culture of migrant groups. It also offers a critical exploration of the historical suppression of Australian indigenous culture. Ethnicity is also studied as a key sociological category. Unit 4 focuses on the idea of community, and how various forms of community are experienced.

Areas of Study Unit 3:

1. Australian Indigenous Culture
2. Ethnicity

Areas of Study Unit 4:

1. Community
2. Social movements and social change

Assessment: Topic tests, short answer questions.

Textbook: Maria Babelja, Despina Rentos & Analia Solis (2nd edition 2019) Sociology VCE Units 3 & 4 ISBN 978-0-9953545-6-2

Other Resources: Weekly materials, Unit schedules and handouts are accessed through the Student Web.

STUDIO ARTS UNIT 3 & UNIT 4:

Description: Studio Arts introduces students to the role and practices of artists in society. Students develop an understanding of the way artists work in a range of cultures and periods of time, the artists' perceptions, beliefs and actions and their relationship with the viewer.

Areas of Study Unit 3

1. Prepare an exploration proposal
2. Studio process recorded in written and visual form
3. Examine the practice of artists

Areas of Study Unit 4

1. Present finished artworks
2. Visual and written documentation.
3. Compare the methods used by artists and considerations of curators.

Assessment: Written pieces, extended task, presentation of work.

Textbook: Art-isan Cambridge, latest edition Ed. Bowden, D'Aglas, Lindley.

Other Resources: Weekly materials, Unit schedules and handouts are accessed through the Student Web.

Appendix:

Mathematics: Students 17 and under complete Year 11 studies before continuing to Year 12. Students 18 or over can go directly to Year 12.

