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To Students & Parents,

At Buckley Park College we are proud of the variety of programs in place to ensure that you are given every opportunity to reach your full potential through participation, enjoyment and active learning.

During the course of the year you will grow in confidence, independence and accomplishment.

In our academic program you will undertake a range of core and elective subjects within the disciplines of English, Humanities, Science, Mathematics, Languages, The Arts, Technology, Health and Physical Education.

We expect you to grasp learning opportunities with an open mind and seek out ways to be actively involved in school life. A key feature of our Year 10 program is the Making a Difference program which builds innovation, independence and team work through contributing to community development. Active involvement at school also includes participation in co-curricular activities such as sporting teams, debating club, SRC, annual production, music ensembles and bands.

We are ambitious for our young people as we prepare them to be the creators, discoverers and inventors of the future, participating as responsible and productive citizens committed to the achievement of a just and sustainable world.

To achieve this ambition, our learning experiences are structured to build the capacity for:

- pursuing individual excellence
- brave, critical and creative thinking
- valuing original ideas and demonstrating enterprise and innovation
- acting honestly and ethically
- accepting both individual and collective responsibility
- contributing to community development
- committing to social justice
- tolerance, acknowledging diversity, respecting difference and encouraging distinctiveness
- developing powerful and positive interpersonal relationships
- optimism, considered risk-taking and perseverance
- respecting and preserving the environment
- meaningful life-long learning

Our college motto "Build Your Wings" reflects the approach we take to the development of students over the course of their secondary school years. Students who set themselves challenging goals, are courageous in contributing to school life and try their best in all that they do, are ready to leave the nest and fly confidently with strong minds and a capacity to actively contribute to society.

Nathan Chisholm

Principal
YEAR 10 CURRICULUM OUTLINE

CORE SUBJECTS  Number of periods per week

<table>
<thead>
<tr>
<th>Subject</th>
<th>Number of periods per week</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>5</td>
</tr>
<tr>
<td>Mathematics</td>
<td>5</td>
</tr>
<tr>
<td>Science</td>
<td>4</td>
</tr>
<tr>
<td>Humanities</td>
<td>4</td>
</tr>
</tbody>
</table>

ELECTIVE SUBJECTS

Each elective subject is allocated 4 periods per week.

Requirements:

- Students must choose 6 semester units (one of which must be Physical Education), with at least one from the Arts Group and one from the Technology Group.
- It is compulsory for all students to undertake a one semester unit of Physical Education.
- Languages and AYDP units must be taken as a 2 semester sequence.
- Each elective unit may only be taken once per year, with the exception of LANGUAGES and AYDP.

<table>
<thead>
<tr>
<th>LANGUAGES Group</th>
<th>HAPE Group</th>
<th>Arts Group</th>
<th>Technology Group</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>German (2 units)</td>
<td>Physical Education</td>
<td>Art 2D</td>
<td>Food Technology</td>
<td>Money and Power</td>
</tr>
<tr>
<td>Japanese (2 units)</td>
<td></td>
<td>Art 3D</td>
<td>Information Technology (Applications)</td>
<td>Forensic Science &amp; Human Biology</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Drama</td>
<td>Information Technology (Systems)</td>
<td>Health &amp; Human Relations (HHR)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Media</td>
<td>Systems Technology (Electronics)</td>
<td>Advance Youth Development Program (AYDP ) (2 units)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Music</td>
<td>Textiles Technology</td>
<td>Outdoor and Environmental Education</td>
</tr>
<tr>
<td></td>
<td></td>
<td>VCD</td>
<td>Wood Technology</td>
<td>Literature</td>
</tr>
</tbody>
</table>
THE ARTS

UNIT: YEAR 10 TWO DIMENSIONAL ART

Unit Description
This unit provides students with the opportunity to explore various ways of producing artworks on paper and on fabric. Students are encouraged to develop an awareness of the aesthetic characteristics of the specific medium being used as well as refining their technical skills. Techniques and media explored include painting, drawing, screen-printing (on fabric or paper), lino-printing, collage, mixed media, rendering, observational drawing and aspects of photography. Art appreciation in this unit encourages students to make comparative studies of specific themes, styles and artistic movements. Students also research the impact of technology on the direction of visual art and specific art forms.

Areas of Assessment
- Folio
- Finished artworks
- Art appreciation
- Examination

Requirement:
There will be additional costs associated with 2D Art due to the need to purchase materials.

UNIT: YEAR 10 THREE DIMENSIONAL ART

Unit Description
This unit encourages students to develop and refine skills and techniques used in the construction of ceramic forms and sculpture. Ceramic construction techniques used include slab, pinch, coil, press mould and, slip mould. Ceramic decoration techniques include under glazing, incising, relief work, coloured slip, oxides and three dimensional media.

Types of sculpture explored include mobiles, free standing, relief and kinetic works. Media used to create these sculptures include paper, plaster, wire and plastics.

Art appreciation in this unit encourages students to make comparative studies of specific themes, styles and artistic movements. Students also research the impact of technology on the direction of visual art and specific art forms.

Areas of Assessment
- Folio
- Finished artworks
- Art appreciation
- Examination

**Requirement:**
There will be additional costs associated with 3D Art due to the need to purchase materials.

**UNIT: YEAR 10 DRAMA**

**Unit Description**
In this unit students learn to analyse Australian society, past and present, through the development of group devised dramatic works. Developing the plays requires research, selecting and structuring dramatic elements, rehearsing and presenting. Students record their experiences and observations of their own and others’ work in their drama journal. They learn to analyse performances and attend and review a theatre production. Students learn about Non-Naturalism by studying a range of play scripts and presenting a major group devised performance.

**Areas of Assessment**
- Class-based performance activities
- Ensemble performance
- Performance review
- Theatre history task
- Examination

**UNIT: YEAR 10 MEDIA**

**Unit Description**
We consume over 3000 advertising messages every day. Understanding the way the media works and the products it creates is essential to being a citizen in the modern world. Students in Year 10 Media will write film and edit their own advertising products as well as design and create their own photography folio. Students will discover how the media industry operates in the real world and identify the challenges faced by both the producers and consumers of today’s media. Additionally, students will gain an appreciation of quality professional films, images and advertising and how they can create meaning for an audience.
Areas of Assessment

- Media productions
- Script and storyboard production
- Analysis of media texts
- Examination

UNIT: YEAR 10 MUSIC

Unit Description

Year 10 music aims to further develop students’ performance, composition, theory/aural and analytical skills, whilst preparing them for the VCE music course. Throughout the semester students work in small groups using their instrument of choice to learn and perform several works chosen in consultation with the teacher. Each student also completes a solo performance at the end of the semester to hone their musicianship and performance skills. Although not a strict requirement, it is critical that students have access to their own instrument of choice at home to meet the level of practice required for successful study. Instrumental lessons are also highly recommended to give students the best possible chance to develop their instrumental skills to high standard. The course has two theoretical units focusing on early Western music of the Medieval and also the origins of Jazz in the United States respectively. A holistic approach is taken to each focus area with students listening to, analysing, and performing various works from the period followed by composition tasks based on the music being studied. New theory/aural concepts are learned based on the music being studied and applied practically through the compositions tasks.

Areas of Assessment

- Solo performance
- Ensemble performance
- Composition folio
- Theory examination

UNIT: YEAR 10 VISUAL COMMUNICATION AND DESIGN (VCD)

Unit Description

Students undertake the creative application of design processes and design thinking with consideration to design elements and principles and final presentation of ideas. Students complete a series of studies focusing on orthogonal, paraline, perspective and architectural drawings, which conform to the Australian Standards Association rules. Students learn to represent form and texture using a range of media. Students also utilize computer-generated techniques as possible solutions to specific work briefs. Students compare and analyse the works of designers from the 20th century as well as a number of contemporary designers.
Areas of Assessment

- Design process
- Final Presentation
- Design History and Analysis
- Examination

ENGLISH

UNIT: YEAR 10 ENGLISH

Unit Description

In this unit students continue to develop a critical understanding of a variety of texts. In speaking and listening activities they learn to critically comment on and analyse a range of text types. Students encounter a variety of texts and develop a more critical and analytic way of reading and responding to them. Student writing is further developed through the exploration of more complex themes and issues for a range of audiences and purposes.

Areas of Assessment

- Context
- Text response
- Issues and arguments
- Oral activities
- Examination

UNIT: YEAR 10 LITERATURE

Unit Description

This elective provides students with an opportunity to read, discuss and respond to some of the great modern and classical works of literature. Students will supplement the set texts with their own reading selections and analyse them personally, critically and creatively. Students will develop their writing and presentation skills by using a range of modes and forms.

Areas of Assessment

- Presentations
- Folio
- Exam
HEALTH AND PHYSICAL EDUCATION (HAPE)

UNIT: YEAR 10 HEALTH AND HUMAN RELATIONS

Unit Description
In this unit students examine the health status of individuals and review the policies of government and major health bodies in meeting the health needs of selected groups. Students identify, examine and evaluate the impact of scientific and medical innovations and discoveries on human development.

Areas of Assessment
- Class participation
- Workbook
- Assignments
- Examination

UNIT: YEAR 10 PHYSICAL EDUCATION

Unit Description
This unit aims to provide students with the opportunity to assess and develop skills in a variety of activities. They continue to develop their peer coaching and umpiring skills to enable them to competently organize a group of students. Students set personal fitness goals and design a personal fitness program to meet their needs derived from fitness testing. Students also utilize many community facilities to further explore fitness and leisure opportunities.

Areas of Assessment
- Preparation and participation
- Skills and fitness assessment
- Assignments
- Examination

Requirements
The college sports uniform is to be worn in all Physical Education classes and at all interschool and House sporting events.
- Red polo shirt with college logo (students may wear a T-shirt in their House colours for Inter-House sports)
- Black basketball shorts
- Black tracksuit pants
- Green polar fleece jumper with college logo
- White socks
- Sports shoes
- College bucket hat or cap may also be worn as part of the sports uniform
- Mouthguard

**Requirement**

Students will be required to pay a fee of $60 to cover the cost of community based activities.

**UNIT: YEAR 10 ADVANCE YOUTH DEVELOPMENT PROGRAM (AYDP)**

**Unit Description**

This subject is offered as a two unit sequence. Students in this subject investigate issues for young people in their local community and work with a local community organisation on a project they develop. Students prepare for the project by developing communication and project management skills and complete an elective with a recognised qualification, such as First Aid.

Students spend time working actively in the community and they will also attend a compulsory camp. Only select this subject if you are willing to attend and participate in all excursions and camps.

**Areas of Assessment**

- Theory
- Project
- Evaluation
- Elective Module

**Requirements**

A cost of approximately $420 is required for this unit due to excursions and camps that are necessary to satisfy the outcomes.
UNIT: YEAR 10 OUTDOOR AND ENVIRONMENTAL EDUCATION

Unit Description
In this unit students study a range of skills relating to safety and enjoyment in the outdoors. It focuses on self, others and environment, specifically investigating marine environments. Students investigate topics such as teamwork, group formation, leadership, minimal impact strategies and land management practices. Theory learnt in the classroom will be applied in an outdoor setting on a variety of day camps and excursions. Activities may include surfing, sailing, rock climbing and snorkelling.

Areas of Assessment
- Participation in practical activities
- Major and minor assessment tasks
- Workbook
- Examination

Requirements
A cost of approximately $500 is required for this unit due to excursions and camps that are necessary to satisfy the outcomes. Students need to pass a swimming test for this subject.

HUMANITIES

UNIT: YEAR 10 HUMANITIES

Unit Description
In this unit students learn about their position in the world from an economic, legal, political, geographic and historical perspective. Students explore the nature of work with a view to developing their own career paths and undertake a two-week work experience placement. Individual and governmental decision making is explored through a study of Australia’s legal and political systems. In geography, students study the problem of climate change and its impact on people and the environment, globalisation and refugees. In history, students analyse the impact of significant events and ideas in shaping world history in the twentieth century, notably the Depression era, the rise of Hitler and World War Two and the Cold War.
Areas of Assessment

- Presentations
- Extended responses
- Analytical exercises
- Examination

UNIT: YEAR 10 MONEY AND POWER

Unit Description
This unit is an introduction and overview of key ideas in both economics and politics. The unit will explore how economics and politics influence lives at both a national and global level. The unit will highlight the inherent interconnected relationship between economics and politics. Central concepts will be explored, such as economic cycles, international trade, economic development (surplus and deficit), political participation, the mechanisms for resolving conflict and the processes of achieving and maintain political power. Key institutes that monitor and govern economics and politics will be analysed, such as the United Nations, the World Trade Organisation and the International Monetary Fund.

Areas of Assessment:

- Case study analysis
- Essay
- Examination

LANGUAGES

UNIT: YEAR 10 GERMAN

Unit Description
In this unit students expand and deepen their knowledge of the German language and culture. Students learn to summarise, explain, identify and reorganise comprehended information and participate in role-plays and discussions. Students learn to write a variety of different text types and study a wide range of grammatical constructions and extension work is offered as part of the course. The course covers areas of interest such as talking
about holidays, leisure activities, earning pocket money, household tasks and everyday concerns as well as current aspects of the German speaking culture.

**Areas of Assessment**
- Listening
- Speaking
- Reading
- Writing
- Examination

**UNIT: YEAR 10 JAPANESE**

**Unit Description**
This unit provides students with opportunities to understand and use the language within the world of teenage experience on topics related to events of general interest, topics drawn from other key learning areas and the media. Students participate in role-plays, interviews and discussions on topics ranging from part-time jobs and animation to sport and travel. Students exchange information and opinions, provide elaboration or detail, examples and evaluations on various topics. Students are exposed to a range of text types and produce their own written materials, including word processed articles, reviews, interviews and advertisements.

**Areas of Assessment**
- Listening
- Speaking
- Reading
- Writing
- Examination

**MATHEMATICS**

**UNIT: YEAR 10 MATHEMATICS**

**Unit Description**
This unit builds on the mathematics covered in the previous three years of the SEAL program and covers content which will prepare students for VCE Mathematics. The students will use CAS and other technology to appropriately and effectively enhance their learning in
this course. The topics covered within the Year 10 Mathematics (SEAL) course are set
theory, algebraic expansions and factorisation, quadratic functions, trigonometry,
coordinate geometry, combinatorics, transformation geometry, vectors, matrices and linear
transformations and calculus.

**Areas of Assessment**
- Skills tests
- Maths journal
- Technology applications and projects
- Technology-free examination
- Technology-active examination

**SCIENCE**

**UNIT: YEAR 10 SCIENCE**

**Unit Description**
Science is a human activity that affects the way we understand and interact with the Earth. Students
continue to develop their understanding of the ways that science influences, and is influenced by society. Students take an increasingly independent role as they identify puzzles and problems, plan and conduct investigations, process information, and make conclusions and predictions based on evidence. They learn to construct complex, evidence-based arguments and use an increasing variety of ways to communicate their understanding and to report and evaluate their findings and the findings of others. Students will study the major areas of science listed below,

- **Biological Science:** Genetics
  - Theory of evolution.
- **Chemical Science:** Periodic Table.
  - Reaction rates and useful products.
- **Earth & Space Sciences:** Exploring the Universe.
  - Origin of the Universe.
- **Physical Science:** Useful energy transfers and transformations.
  - Explaining motion.

**Areas of Assessment**
- Research tasks
- Practical work and reports
- Tests
- Examination
UNIT: YEAR 10 FORENSIC SCIENCE

Unit Description
This unit investigates aspects of forensic science to highlight the role played by science in many facets of police and forensic work. Students explore some of the ways that police, forensic scientists and pathologists use biology, chemistry, earth science, physics, and psychology to answer questions posed to them.

Please note that there will be a cost involved to participate in an interactive forensic case study.

- Forensic science The crime scene; Understanding the evidence: fingerprinting, blood, DNA, hand writing analysis; Basic pathology; Psychological profiles.

Areas of Assessment
- Research tasks
- Practical work and reports
- Tests
- Examination

TECHNOLOGY

In all Technology studies students acquire a range of skills and techniques through a work sequence of investigating, designing, producing and evaluating the production process. This is shown in the diagram:
UNIT: YEAR 10 FOOD TECHNOLOGY

Unit Description
In this unit students use the techniques of design, investigation, production and evaluation to explore many aspects of food. Students investigate the impact of the role of nutrients in food and incorporate balanced meals into design proposals. Students research the relationship between food and diet related diseases and the impact of these conditions on individuals and the community. Students also investigate the use of tools and equipment for specific productions and address the safety and hygiene requirements of each application.

Areas of Assessment
- Design and evaluation processes
- Practical work
- Assignments & Tests
- Examination

Requirements
Students are required to bring a loose-leaf folder/exercise book to theoretical classes. A container should also be brought to practical classes so that students can safely transport their food products from class to home.

- There will be a cost associated with this subject of approximately $60.

UNIT: YEAR 10 INFORMATION TECHNOLOGY (Applications)

Unit Description
The course is designed to extend students’ skills in the use of wide range of computer applications and understanding the hardware that support these applications. Students will investigate and compare various application software types, especially multi-media. They will develop practical skills in using software applications and the Internet and they will develop skills in using ICT for investigation, research and presentation.

Areas of Assessment
- Class activities—practical and theoretical exercises.
- Practical projects—website, publications and databases.
- Investigative projects—ICT communication, privacy and security issues.
- Examination
UNIT: YEAR 10 INFORMATION TECHNOLOGY (Systems)

Unit Description
This unit provides an introduction to and skill development in information systems and programming. The main areas of study covered are: computer and file management procedures and techniques, computer hardware and network operations. The major emphasis is on programming theory and practical programming.

Areas of Assessment
- Class activities – practical and theoretical exercises.
- Practical projects – computer programming in different languages.
- Investigative projects – ethical issues in ICT.
- Examination

UNIT: YEAR 10 ELECTRONICS

Unit Description
At the completion of this electronics course students should be able to demonstrate a good understanding of electronics components and will develop further skills in the use of Computer Aided Design and manufacture of printed circuit boards. Students produce a work plan of their design and construction activities and complete a reflective journal of their progress over the semester. Students test their project and produce an evaluation report. Students learn to safely operate the tools, machinery and equipment used in the construction of their project and they develop an understanding of complex circuits. Areas of work include block diagrams, systems, components and symbols, circuit diagrams, computer aided simulation of circuits, electronic testing equipment.

Areas of Assessment
- Investigating and designing
- Producing technological systems
- Solutions to design problems
- Skills test
- Examination

Requirements
There will be a cost associated with this subject of approximately $35.
UNIT: YEAR 10 TEXTILES TECHNOLOGY

Unit Description
This unit provides students with the opportunity to develop skills and techniques for designing and making articles using fabrics and other related materials. Students will learn how to develop a design brief as well as using a commercial pattern. Students will also learn how to create their own designs using a variety of processes such as patchwork, appliqué and embroidery.

Students produce articles for both functional and decorative purposes using advanced hand sewing and machining skills and techniques. A particular emphasis is placed on safety when using tools, equipment and machines. The appropriate selection, use and care of both natural and synthetic fibres will also be investigated. Students also investigate the textile and fashion industry over time, including cultural influences, materials construction and related developments.

Areas of Assessment
- Workbook consisting of class work and samplers
- Completed articles
- Research assignment
- Examination

Requirements
Fabric for practical assessment piece and sewing equipment as per the booklist.

UNIT: YEAR 10 WOOD TECHNOLOGY

Unit Description
Students explore a range of factors that affect product design and technological innovations and incorporate these skills into the completion of a set task. They are required to justify how they provided a solution to their task. They also become aware of professional organizations that are developed to monitor quality control and price control, and evaluate their productions with reference to these institutions. Occupational health and safety issues in the work place will also be discussed.

Areas of Assessment
- Design process
- Completed production pieces
- Examination
Requirements
There will be a cost associated with this subject of approximately $15.

YEAR 10 SEAL CURRICULUM OUTLINE

Program structure at Year 10
During the fourth year of SEAL students will complete an enrichment program to better prepare them for VCE, as well as a Unit 1 and Unit 2 study in History. The decision whether a student is able to undertake an additional VCE subject during Year 10 will depend on their having achieved outstanding results at the conclusion of the third year of the program, the careers and course counselling and taking into account the most appropriate pathway through which the student is likely to be most successful in achieving their goals and ambitions.

The structure of the program is as follows:

**English:** An enrichment course, providing preparation for VCE English subjects.

**Maths:** An enrichment course providing preparation for VCE Maths subjects.

**Science:** An enrichment course providing preparation for VCE Science subjects or VCE Biology Unit 1 and 2 (involvement in which is dependent on results from the third year of study)

**Humanities:** VCE History Unit 1 and 2 (‘20th Century History’).

**Languages:** Continue existing arrangements for students in the mainstream program. If students undertake a language they must complete two semester length units.

**Arts, Technology and HAPE:** As per arrangements in the mainstream program, students choose 6 electives from Languages; Arts; HAPE and Technology subjects but must choose at least one subject from the Arts, Technology and HAPE. SEAL students may, provided they meet the selection criteria, undertake a VCE subject instead of two semester length Year 10 electives.

Entry to a VCE subject in the fourth year of the program
Acceptance into VCE subject is dependent on:
the VCE subject being offered and having spare places available for students after the needs of Year 11 students have been met
students meeting the selection criteria - refer to the section titled VCE Acceleration Policy and Procedures

**ENGLISH**

**UNIT: YEAR 10 ENGLISH (SEAL)**

*Unit description*
This unit prepares students for the demands of VCE English through the integration of a range of reading, writing and speaking and listening activities. A key feature of the course is the analysis of both classic and modern texts and the ways they both influence and reflect ideas and values across time and cultures. Students will produce reasoned arguments based on their knowledge and understanding and relate these arguments to both contemporary society and personal experience. Students take responsibility for their language skills development and negotiate work outcomes with the teacher.

*Areas of Assessment*
- Texts response
- Context
- Issues in contemporary society
- Examination

**HUMANITIES**

**UNIT: VCE History Unit 1 and 2 (‘20th Century History’).**

*Unit Description*
Unit 1 looks at how the traditional order was challenged and overturned during the first half of the twentieth century, with a particular focus on events in Russia during the time of Tsar Nicholas II. Students will consider the manner in which societies reacted to this change and how it impacted people’s lives. Unit 2 explores the major themes and events of the post-war world, including media representations of the Cold War, the emergence of social movements and the role of the media in modern war-time reporting.
Areas of Assessment

- Presentations
- Extended responses
- Analytical exercises
- Examination

MATHEMATICS

UNIT: YEAR 10 MATHEMATICS (SEAL)

Unit Description
This unit builds on the mathematics covered in the previous three years of SEAL Mathematics program. The students will use CAS and other technology, such as Mathletics, to appropriately and effectively enhance their learning in this course. The topics covered within the Year 10 Mathematics (SEAL) course are set theory, algebraic expansions and factorisation, quadratic functions, trigonometry, coordinate geometry, combinatorics, transformation geometry, vectors, matrices and linear transformations and calculus.

Areas of Assessment

- Skills tests
- Maths journal
- Technology applications and projects
- Technology-free examination
- Technology-active examination

SCIENCE

UNIT: YEAR 10 SCIENCE (SEAL)

Unit Description
Science is a human activity that affects the way we understand and interact with the Earth. Students continue to develop their understanding of the ways that science influences, and is influenced by society. Students take an independent role as they design their own investigation from a scenario. They perform their own experiments; process data obtained and use background research to, discuss their findings and make conclusions. They learn to construct complex, evidence-based arguments and evaluate their findings. Students will investigate within the major areas of science listed below,
• Biological Science: Plant growth & mineral needs.
• Chemical Science: Chemical analysis of pool water.
• Earth & Space Sciences: Cycles and climate.
• Physical Science: Material properties.

Areas of Assessment
• Research tasks
• Investigation reports
• Tests
• Examination

UNIT: VCE BIOLOGY UNIT 1 and 2

Unit Description
Unit 1 focuses on two areas of study; firstly cells in action, which look looks at the activities of cells and the relationships between the structures of cells and the processes that maintain life. Secondly, functioning organisms, which looks at the relationships between features of organisms and how the organisms meet the requirements for life. Unit 2 investigates adaptations of organisms, looking at the kinds of environmental factors that are common to all habitats and how organisms use resources and adapt. Also dynamic ecosystems are focused upon, which looks at the complex and finely balanced relationships that exist between living things and resources in their particular habitat.

Areas of Assessment
• Practical work and reports
• Written reports
• Tests
• Examination
Notes
Notes