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WELLINGTON
SECONDARY COLLEGE

**Junior School
Handbook
2015**

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Dear Parents/Guardians and Students

This handbook outlines the program for Years 7 and 8 for 2015 and gives a course description for each of the subjects taught at these levels. The curriculum has been designed to follow on from studies in the primary years by providing a sound foundation in the AusVELS (Australian/Victorian Essential Learning Standards).

At these levels all students complete a compulsory set of studies. The only exception is in the area of Languages. In addition to French and Mandarin, we offer a Literacy Enhancement Program (LEN) and English as an Additional Language (EAL) to selected students as an alternative.

An effort has been made to minimise the number of different teachers with whom the students come into contact. Most subjects run for the whole year and only a relatively small number are offered as semester studies for reasons of staffing and access to facilities.

In some practical classes in the Junior School there will be an extra cost involved in the purchase of materials such as food, wood and art materials. These materials will be used for program activities and in the production of assessment projects in these classes. The finished product will then become the property of the student. Specific costs are outlined in the relevant subject description in this handbook. If parents experience difficulty in meeting these costs they should contact the Head of Junior School or the Year Level Coordinator for advice or assistance.

Every student is required to have their own computer device as ICT is an integral part of all curriculum areas.

Yours sincerely

Mr Tony Grayden
Assistant Principal

Mrs Carmel Roberts
Head of Junior School

COMPUTER DEVICES - BYOD (*Bring your own device*)

All students will be required to have their own computer device in 2015. The School is offering parents the following 3 options:

1. Acer Tablet (Latest model as at late 2014) – Cost \$800. This package includes:

- Windows 8
- Touch Screen keyboard (with detachable keyboard)
- 3 Year Accidental Damage and Theft Insurance (\$50 excess*)
- On-going Wellington Service and access to DEECD approved free software
- Storage Case
- 3 Year Warranty
- 16 hour battery life



2. Acer Aspire Netbook (Latest model as at late 2014) – Cost \$450. This package includes:

- Windows 8
- 3 Year Accidental Damage and Theft Insurance (\$50 excess*)
- On-going Wellington Service and access to DEECD approved free software
- Storage Case
- 3 Year Warranty
- Built in keyboard
- 6 hour battery life



3. Acer Aspire Netbook SSD (Latest model as at late 2014) – Cost \$600. This package includes:

- Windows 8
- 3 Year Accidental Damage and Theft Insurance (\$50 excess*)
- On-going Wellington Service and access to DEECD approved free software
- 120GB SSD Hard Drive
- Storage Case
- 3 Year Warranty
- Built in keyboard
- 6 hour battery life



* PLEASE NOTE: Wellington Secondary College has been able negotiate a new excess fee of \$50 on the 3 Year Accidental Damage and Theft Insurance for these devices being offered for the 2015 three year package only. Devices purchased prior to 2015 still attract a \$100 excess.

The above prices include GST and \$170 for a 3 year insurance package. (Please note that the insurance will follow the device and the student should the student leave school within the 3 year warranty period)

All devices include an insurance program and suitable software and hardware service. Please also note that if parents source other ('cheaper') devices, the school will not be able to guarantee compatibility with the school network.

All devices will meet the educational requirements of our students, however it is worth noting that one of the main differences between the tablet and the netbook is battery life.

Payment can be made in two stages:

1. The deposit will be due by Wednesday 26 November 2014 (New Parent's Information Night)
2. The balance will be due in early 2015, before the devices are delivered to students in February 2015

Any questions or concerns, please contact the school on 9547 6822.

CO-CURRICULAR PROGRAMS:

In addition to the timetabled program several additional co-curricular programs are available:

Instrumental Music

All Year 7 students are introduced to a musical instrument as part of the music course. If they wish to study an instrument further and become involved in the College Band, students are withdrawn from classes on a rotational basis for lessons in the chosen instrument. A fee is charged for private lessons at the College.

Peer Support Program

Year 7 students work in small groups with selected and trained Year 10 students during Semester 1 to assist their transition into Wellington Secondary College.

Activities Program

Early in Term 1, all Year 7 students, together with their peer support leaders, are involved in an activities program called 'Wellington Welcomes You' to assist their transition.

Year 8 students are involved in a five-day camp or five-day alternative activities program.

Student Wellbeing Program

A Student Wellbeing and Pastoral Care Program operates in the Junior School Health and PE curriculum and is delivered during timetabled classes. The aim of the program is to develop a sense of belonging, resilience and secure individuals through covering areas such as:

1. Bullying and Harassment
2. Anger Management and Conflict Resolution
3. Loss and Grief
4. Knowing the Blues
5. Puberty
6. Drugs: Smoking and Alcohol
7. Developing Belongingness and connectedness to school; Teamwork and building Self Esteem

Drama Production

Each year the College stages an annual production that involves many students from all year levels.

Interschool Sports

The College is active in interschool sport and, staffing permitting, offers the chance for students to represent the College in sports including swimming, athletics, cross-country, netball, softball, tennis, table tennis, baseball, volleyball, hockey, cricket, football and soccer.

Houses Program

The College conducts a range of activities in an active Houses Program. Each student is allocated to a House: **Alexander (Blue)**, **Borrowdale (Gold)**, **Penrhyn (Green)**, or **Sirius (Red)** each of which was named after a ship in the First Fleet of 1788. Students can represent their House at the swimming, athletics and cross-country carnivals as well as in competitions such as chess, mini-Olympics, basketball and four square.

JUNIOR SCHOOL TIMETABLED PROGRAM

A fortnightly timetable operates so that a balance of curriculum can be offered throughout the College. For 2015, each day will be divided into 6 x 50 minute teaching periods. Generally the morning periods are grouped in doubles and in the afternoon singles where possible. The school philosophy is to have each class taught by a smaller number of teachers but for longer periods of time, as is the case in Primary School. Consequentially, the numbers of minutes taught in each subject per fortnight is given below rather than a number of periods. Semester Units are indicated by (S).

| Domain | Year 7 Subject | Minutes per Fortnight | Year 8 Subjects | Minutes per Fortnight |
|--|--|-----------------------|--|-----------------------|
| Arts | Art (S) | 200 | Visual Arts | 200 |
| | Drama | 200 | | |
| | Music (S) | 200 | Music (S) | 200 |
| English | English | 500 | English | 500 |
| | EAL* / LEN # | 300 | EAL* / LEN # | 250 |
| Health and Personal Development ** | Physical Education, Sport Education & Health Education | 450 | Physical Education, Sport Education & Health Education | 450 |
| History, Geography, Economics and Civics and Citizenship | History, Geography, Economics and Civics and Citizenship | 450 | History, Geography, Economics and Civics and Citizenship | 400 |
| Languages | French / Mandarin | 300 | French / Mandarin | 250 |
| Mathematics | Mathematics | 450 | Mathematics | 450 |
| Science | Science | 300 | Science | 300 |
| Technology | Information Technology | 150 | Information Technology (S) | 200 |
| | | | Design Technology (S) | 250 |
| | | | Food Junior Master Chef (S) | 250 |

* Note: EAL (English as an Additional Language) runs parallel to language classes for eligible students

Note: LEN (Literacy Enhancement Program) runs parallel to Language classes for selected students

**Note: Health and Personal Development at Years 7 and 8 combines the subjects of Physical Education, Sport Education and Health

The course descriptions for each of the studies offered have been listed in alphabetical order on the following pages for your convenience and information.

For any further information regarding the contents of this handbook, please contact the Head of Junior School.

THE ARTS – ART

YEAR 7

Duration: One Semester – 200 minutes per fortnight.

This unit is designed to give students the opportunity to express ideas visually using a range of media. Students will develop confidence using art materials through practical experiments. A variety of techniques will be used in the production of drawing, painting and printing. It will also provide students with the opportunity to appreciate artworks made with particular cultural and historical contexts.

Goals:

- To encourage students to express their ideas visually using a variety of media.
- To develop skills and techniques using a range of materials.
- To encourage students to develop confidence in working with art materials.
- To foster an appreciation of artworks made with particular cultural and historical contexts.

Assessment Tasks:

- Art Production: 2D
- Art Production: 3D
- Art Production: Print
- Workbook
- Art Appreciation

Cost of Materials: \$10.00

Contact Person: Mr A Bare

THE ARTS – VISUAL ARTS

YEAR 8

Duration: All year – 200 minutes per fortnight.

Students will be required to contribute a material levy fee of \$15.00 which will provide materials to satisfy all outcomes in Art, Ceramics and Visual Communication and Design.

This course is designed to extend students' opportunities to express ideas visually using a range of media and techniques, both 2D and 3D. Students will complete a folio of paintings, drawings, mixed media and three dimensional works. Students will acquire a vocabulary of appropriate art/design terminology and appreciate works of various art/design styles and artists/designers. The unit will also enable students to develop an awareness and appreciation of historical and cultural artworks.

Goals:

- To encourage students to express their ideas visually using a variety of media.
- To develop skills and techniques using a range of materials both 2D and 3D.
- To encourage students to develop confidence in working with art materials.
- To foster an appreciation of artworks made with particular cultural and historical context.

Assessment Tasks:

- Art production: 2D
- Art production: 3D
- Visual Communication and Design Production
- Visual Journal
- Art appreciation

Cost of Materials: \$15.00

Contact Person: Mr A Bare

THE ARTS – MUSIC

YEAR 7

Duration: One Semester – 200 minutes per fortnight

This course is designed to give students opportunities to perform, create and respond to music in meaningful ways. Students will complete notation exercises for performances, listen to a range of music styles for personal, historical and cultural understanding and demonstrate an understanding of the function of music in society.

Goals:

- To develop performance skills and techniques on keyboard, classroom instruments and iPads.
- To encourage students to express their ideas aurally in composition tasks.
- To encourage students to make informed decisions about the music around them.
- To appreciate that music is a vital part of human experiences and values.

Assessment Tasks:

- Performances on Keyboard, classroom instruments and iPads
- Composition of a Soundscape
- Aural / Theory Exercises
- Workbook, including a Reflective Journal

Cost of Materials: \$10.00

Contact Person: Mrs J Tunnicliffe

YEAR 8

Duration: One Semester – 200 minutes per fortnight.

This course is designed to extend students opportunities to perform, create and respond to music in meaningful ways. Students will complete notation exercises for performances, listen to a range of popular music styles from the twentieth and twenty-first centuries for personal, historical and cultural understanding and demonstrate an understanding of the function of music in society. Students will also explore methods of production and editing of musical recordings using computers, instruments and iPads.

Goals:

- To develop performance skills and techniques on Keyboard, Guitar and classroom instruments.
- To encourage students to express their ideas aurally in composition arranging tasks using instruments and/or computers and iPads.
- To encourage students to make informed decisions about the music around them.
- To appreciate that music is a vital part of human experiences and values.

Assessment Tasks:

- Performances on Keyboard and Guitar
- Composition / Arrangement of an 8 bar melody on instruments, computer or iPad
- Aural / Theory Exercises
- Workbook, including a Reflective Journal

Cost of Materials: \$10.00

Contact Person: Mrs J Tunnicliffe

THE ARTS – DRAMA

YEAR 7

Duration: All Year – 200 minutes per fortnight.

Year 7 Drama introduces and develops the skills associated with drama: improvisation, movement, mime, role-play and vocal skills. Students also explore dramatic elements such as the use of space, tension and timing. Emphasis is placed on the development of students' self-confidence, self-discipline and sensitivity towards others. Particular study will be made of the use of drama in different cultures, the basics of script writing and the mechanics of presentation to an audience.

Goals:

- To develop students' social skills and their ability to build constructive relationships with others.
- To develop students' communication skills in a range of contexts both within and outside the school.
- To develop students' understanding of the elements of drama and the way they may be employed to communicate meaning.
- To enable students to use the expressive power of drama to shape their own message, stories and meaning.
- To establish a cohesive and co-operative learning environment that enables students to show self-confidence, self-discipline and tolerance of others.
- To encourage students to value each other's drama experience showing respect for others and using appropriate audience behaviour.
- To encourage students to use appropriate language to describe the ways drama is organised to express ideas and feelings.

Assessment Tasks:

- Role-play performance
- Workbook and journal
- End of year major performance task

Cost of Materials: Nil

Contact Person: Mr A Alexander

ENGLISH

YEARS 7 and 8

Duration: All year – 500 minutes per fortnight

Goals:

To develop:

- and enhance students' reading for pleasure and curiosity
- the ability to read and to comprehend the English language and consider alternative interpretations
- the ability to speak and to write fluently and coherently
- the appreciation of literature
- appreciation of how Thinking and Social Competencies support learning
- an awareness of self and relationships with others in society – involving reflection upon ideas and issues
- an awareness and appreciation of communication systems – such as print, film and television media and ICT
- the ability to solve problems, learn independently and in groups, set goals, self-evaluate, show initiative and think creatively.

Subject Content – Year 7:

- Reading: one novel, one short story anthology and a film for study, selected prose, wider reading, assignments.
- Writing: reflective (especially based on own experience), descriptive, persuasive and narrative. Emphasis on process, precision, variety and vividness within a clear structure (eg paragraphing).
- Journal
- Speaking: basic skills through class/group work, reading aloud, specific presentation and debates
- Listening: through teaching specific skills for effective listening in different contexts,
- Media: consideration of the mass media and its place in society.
- Skills: emphasis is placed on dictionary skills, spelling, punctuation, syntax and grammar.
- Learning to Learn Program: introducing students to learning dispositions which empower them to be effective learners.

Subject Content – Year 8:

- Reading: one set novel, a structured reading program and one film for study, selected prose and poetry, wider reading, comprehension.
- Writing: informative, instructional, argumentative and analytical modes reviewed. Emphasis on drafting and editing of ideas (e.g. essay planning).
- Speaking: reinforce skills involved in small group discussion and public speaking.
- Listening: through teaching specific skills for effective listening in different contexts.
- Media: appreciation of the significance and role of the mass media in society.
- Skills: continue developing dictionary skills, spelling, punctuation, grammar and syntax, especially phrase, sentence and paragraph linkage. Parts of speech and tense agreement.
- Learning to Learn Program: introducing students to the Habits of Mind and how they can be used to support positive learning behaviours.

Teaching Approaches:

Class lessons, group and individual tasks will focus on the processes of literary appreciation and writing competence using the strategies that are in line with the Principles of Learning and Teaching and E⁵. There will be occasions for participation as audience members at theatrical productions, films and public speaking activities. The learning will be supported by the use of ICT.

Assessment Methods:

There will be a number of Common Assessment Tasks which reflect the expected AusVELS standard. Students will be supported to achieve their personal best through the use of inclusive learning sequences.

Cost of Materials: Nil

Contact Persons: Ms M-L Marollas

ENGLISH AS AN ADDITIONAL LANGUAGE

YEARS 7 and 8

- Duration:** All year
- 300 minutes per fortnight in Year 7
 - 250 minutes per fortnight in Year 8

Eligible Year 7 students are placed in this class at the start of the year, normally on the recommendation of their primary school teacher. They must come from a non-English speaking background.

Goals:

- To comprehend written and spoken instructions
- To identify and use parts of speech, tenses and common language structures in order to improve language skills
- To extend the vocabulary of each student
- To develop listening and conversational skills
- To assist with mainstream classwork
- To improve social skills and develop self-esteem, confidence and a pride in their cultural heritage
- To develop understanding of Australian culture
- To develop 'learning how-to-learn' skills

Subject Content:

- Short stories, novels, articles
- Language exercises – studying grammar, vocabulary in context
- Word games
- DVDs, Clickview and computer programs
- Communication activities – role plays, discussion, problem solving
- Writing in both controlled and imaginative settings

Teaching Approaches:

- Wide-ranging speaking, listening, reading and writing activities
- Conferencing with other students and the teacher

Assessment Methods:

- Diagnostic tests
- Non-graded descriptive assessment

Cost of Materials: Nil

Contact Person: Ms R Elder

HEALTH/PHYSICAL EDUCATION /SPORT EDUCATION

YEARS 7 and 8

Duration: All year – 450 minutes per fortnight

Goals:

- Development of human movement
- To develop and improve fundamental motor skills in a range of sports
- To develop and improve fitness levels
- To develop health and well-being of individuals
- To develop a knowledge of health and fitness
- To increase participation and mastery of a wide range of varied activities
- To develop an appreciation of codes of behaviour, social interaction and co-operation in group situations
- To develop values of sportsmanship and 'fair play'
- To encourage the development of a 'personal best'.

Subject Content:

Students experience some extended development in sports including:

Year 7

- Swimming
- Table Tennis
- Karate
- Athletics
- Soccer

Year 8

- Trampoline
- Badminton
- Basketball
- Recreation and Fitness
- Tennis

As part of the program, students also participate in:

- Ball activities – large and small
- Team activities
- Individual activities
- Fitness activities
- Movement awareness and evaluation of performance
- ACHPER fitness testing three times per year
- Physical activity and the Community
- Activities related to adolescent life, food choices and risk taking behaviours

Teaching Approaches:

- Practical experiences
- Classroom theory
- Coaching clinics
- Individual and team teaching
- Visual and Audio-Visual presentations

Assessment Methods:

- Attendance and preparation
- Participation
- Practical testing – skills, fitness levels
- Written testing – assignments and tests

Cost of Program:

| | |
|---|---------|
| Year 7 Specialist Karate Instructor | \$20.00 |
| Year 8 Tennis facility and equipment hire | \$20.00 |

Contact Persons: Ms L Cheung and Ms M Newey

LANGUAGES

French YEARS 7 and 8

- Duration:** All year
- 300 minutes per fortnight in Year 7
 - 250 minutes per fortnight in Year 8

Goals:

- To introduce students to a new country and its language and to develop intercultural understanding by exploring similarities and differences between the two cultures and languages
- To give students a basic knowledge of written and spoken French
- To encourage students to use basic French vocabulary and structures both orally and in writing
- To develop the ability to use standard French pronunciation and intonation in conversation
- To develop the ability to use basic French vocabulary and sentence structures accurately in the written form

Subject Content – Year 7:

- The Year 7 course is based on Units 1 – 3 of the Tapis Volant 1 Text which uses the French language in familiar situations, mentions the French links with Australia and compares French and Australian cultural backgrounds
- Students will study some aspects of French life through books, class discussion, videos and the Internet
- Students are introduced to basic expressions and structures that enable them to speak about themselves, friends and school
- Students also research French monuments, Paris, New Caledonia, Martinique and The French West Indies

Subject Content – Year 8:

- Tapis Volant, Unit 4 – 7 forms the basis of the course
- The Year 8 course revises and consolidates the language taught in Year 7 and introduces new vocabulary and sentence structures that enable students to talk about their family, pets, time, school life, likes and dislikes
- The French listening, speaking, reading and writing skills of the students continue to be developed
- Students will study more aspects of French life through books, class discussion, videos and the Internet

Teaching Approaches:

- The Tapis Volant 1 Text is based upon continuing cartoon stories of a group of French school students
- Students are encouraged to role play the cartoon story and eventually to talk freely in French about themselves, their friends, home and family, pets, school life, likes and dislikes, clothing and fashion
- Listening, speaking, reading and written activities are used to teach and consolidate all new expressions and grammar points
- Drills, games, songs, plays and poetry are used to reinforce new vocabulary and structures. Computer games and activities are also used to practise the language
- Students research aspects of French life on the Internet and through books.

Assessment Methods:

Research assignments and presentations, tests, oral performances, completion of listening, reading and written work in the workbook

Cost of Materials: Nil

Contact Person: Mr B Sookhareea

LANGUAGES cont.

Mandarin YEARS 7 and 8

- Duration:** All year
- 300 minutes per fortnight in Year 7
 - 250 minutes per fortnight in Year 8

Goals:

- To give all students a basic knowledge of written (simplified characters) and spoken Mandarin
- To encourage all students to use basic Mandarin vocabulary and sentence structures both orally and in writing
- To develop the ability to use standard Mandarin pronunciation and intonation in conversation
- To provide students with an opportunity to learn and appreciate Chinese artistic, literary and cultural traditions
- To consider students' own culture and compare it with countries and communities where Mandarin is spoken

Subject Content – Year 7:

In Year 7, students will learn Mandarin as a foreign language and will be given the opportunity to work at their own pace according to their ability level. Students will explore reading, writing, speaking and listening skills in relation to the topics below.

Topics Include:

- Learning to count
- Greetings and apologies
- Weeks and months
- The family
- Self introductions
- Countries and Nationalities
- Jobs

Subject Content – Year 8:

In year 8, students will continue to build their reading, writing, speaking and listening skills, applying these to the topics below:

Topics Include:

- Countries
- Continents
- Languages
- Getting Ready for School
- Traffic and Transport
- Occupations

Teaching Approaches:

- Students will participate in a variety of communicative activities such as role play, interview, pair work and games to allow students to practise using the language in meaningful contexts.
- Listening, speaking, reading and writing activities are used to teach and consolidate all new expressions and grammar points
- Students will use the Chinese Made Easy course book.

Assessment Methods:

Assignments, tests, oral performances, completion of listening, reading and written work in the workbook.

Cost of Materials: Nil

Contact Person: Mr B Sookhareea

HISTORY, GEOGRAPHY, ECONOMICS, CIVICS AND CITIZENSHIP

YEARS 7 and 8

- Duration:** All year
- 450 minutes per fortnight in Year 7
 - 400 minutes per fortnight in Year 8

Goals:

- To develop understanding of the world in which they live and to gain a perspective of time and space
- To develop knowledge and skills in the disciplines of history, geography, economics and civics
- To develop skills necessary to investigate, analyse, interpret and communicate information in a variety of written and verbal formats
- To make and justify value judgements about local, national and global issues
- To develop information presentation skills

In developing the above, the course will, in an integrated manner, cover the following topics:

Year 7:

- Civics and Citizenship
- A study of ancient societies: daily life; social and political structures; the influence of ancient societies on the modern world
- Geographical skills including Australia's geography and Antarctica
- Characteristics of different environments, changing environments and the extent to which people and environments affect each other
- Personal finance and Australia's economy

Year 8:

- A study of medieval societies: daily life, social and political structures and the influence of medieval societies on the modern world
- Weather and mapping skills
- Characteristics of different environments, changing environments, the extent to which people and environments affect each other, including the Asia Pacific Region and natural disasters
- Australia's political and legal systems
- Consumer rights and responsibilities

Teaching Approaches:

Projects and research assignments, discussion, individual and collaborative tasks, map exercises, film, posters, oral presentations, guest speakers, excursions, incursions and fieldwork, e-learning activities, use of information technology.

Assessment Methods:

- Year 7: Common Assessment Tasks, tests and assignments, speaking and presenting tasks and research projects
- Year 8: Common Assessment Tasks, tests, research, projects, investigation and assignments

Cost of Materials: Nil

Contact Person: Mr M Stephens

MATHEMATICS

YEARS 7 and 8

Duration: All year – 450 minutes per fortnight

The Mathematics Domain conducts ability-based classes in Years 7 – 10 Mathematics. Three groups at each year level will be accelerated to allow these students the opportunity to study VCE Mathematics in Year 10. Up to two groups at each year level will study a modified program, which concentrates on skill development and practical applications of mathematics.

Goals:

- Adequately prepare students for the requirements of mathematics subjects in subsequent years
- Develop a knowledge, understanding and appreciation of the themes and concepts in mathematics
- Provide the opportunity for attainment of mastery of associated skills
- Practise application of learned skills in problem-solving
- Encourage students to relate mathematical knowledge to real life situations

Subject Content – Year 7:

Semester 1

- Whole Number
- Fractions
- Measurement: length, area, volume and time
- Statistics
- Algebra
- Angles and Shapes

Semester 2

- Integers and Decimals
- Percentages and Ratios
- Linear Equations
- Measurement
- Transformation
- Probability

Subject Content – Year 8:

Semester 1

- Integers and Indices
- Algebra
- Measurement
- Geometry: angles, shapes, lines and solids

Semester 2

- Percentage, Decimals and Fractions
- Linear Graphs
- Linear Equations
- Ratio and Scale
- Statistics and Probability

Teaching Approaches:

- Teacher directed instruction
- Co-operative group work
- Projects and research
- Problem Solving Tasks
- Use of computers and calculators
- Use of 'Manga High'

Assessment Methods:

- Topic tests
- Worksheets, homework
- Assignments, projects, problem solving

Cost of Materials: \$10.00 (Manga High Program)

Contact Person: Mrs H Boschert

SCIENCE

YEARS 7 and 8

Duration: All year – 300 minutes per fortnight

Science provides an empirical way of answering interesting and important questions about the biological, physical and technological world. It is a dynamic, collaborative and creative human endeavour arising from our desire to make sense of our world through exploring the unknown, investigating universal mysteries, making predictions and solving problems.

Students will develop an understanding of important science concepts and processes, the practices used to develop scientific knowledge, science's contribution to our culture and society and its applications in our lives. In addition to this, students will develop critical and creative thinking skills and challenge themselves to identify questions and draw evidence-based conclusions using scientific methods.

Aims:

Throughout their Junior School years students will develop:

- a solid foundation of knowledge of the biological, chemical, physical, earth and space sciences, including being able to select and integrate the scientific knowledge and methods needed to explain and predict phenomena.
- an interest in Science as a means of expanding their curiosity and willingness to explore, ask questions about and speculate on the changing world in which they live.
- an understanding of the nature of scientific inquiry and the ability to use a range of scientific inquiry methods, including questioning; planning and conducting experiments and analysing data; evaluating results; and drawing critical, evidence-based conclusions.
- an ability to communicate scientific understanding and findings to a range of audiences and to justify ideas on the basis of evidence
- an ability to solve problems and make informed, evidence-based decisions about current and future applications of Science while taking into account the ethical and social implications of decisions.

Subject Content:

Year 7

- Biological Science
 - Plant and Animal Classification
- Chemical Sciences
 - Mixtures
- Earth and Space Sciences
 - Phenomena on Earth- seasons and eclipses
- Physical Science
 - Forces

Year 8

- Biological Science
 - Cells and Body Systems
- Chemical Sciences
 - States of Matter and the Particle Model
- Earth and Space Sciences
 - Rocks and Minerals
- Physical Science
 - Energy

Assessment Tasks:

- Completion of set class work and homework tasks
- Reports on experimental work
- Common assessment tasks

Cost of Materials: Nil

Contact Person: Ms C Gibson

TECHNOLOGY: INFORMATION TECHNOLOGY

YEARS 7 and 8

Duration: All year – 150 minutes per fortnight in Year 7
One Semester – 200 minutes per fortnight in Year 8

Goals:

At both Year 7 and Year 8, students will use a wide range of software types and will:

- select and apply the tools and editing functions of Excel that support the filtering, classifying, representing and organising of ideas, concepts and issues when learning about surveys
- use a range of data types to record the decisions and actions taken when developing new understanding and problem solving with surveys
- adopt accepted formats and conventions when saving, retrieving and presenting their work
- use ICT in a safe, efficient and effective manner
- apply a range of processing skills, functions and equipment to solve problems and create products which contain minimal functional, typographical, formatting and readability errors
- apply criteria to evaluate the extent to which their information products meet user needs and intellectual property laws
- select the most appropriate search engines to locate information on websites. They will need to use complex search strategies to refine their searches and judge the integrity of the located material based on its credibility, accuracy, reliability and comprehensiveness
- share their evaluations of e-learning tools through their blog, website or other public forums, while complying with ICT conventions
- compose emails in accordance with ICT conventions, send emails with attachments and organise and maintain their email mailbox in a logical structure

Subject Content:

Year 7

- Learn how to responsibly use the digital space and facilities of Wellington SC
- Dealing with cyber bullying and handling a 'public identity'
- Prepare and report on a survey using MS Word
- Use MS Excel to diagnose a survey
- Create a folio of pictures using graphic software
- Use multimedia software to produce a digital story and a classroom report

Year 8

- Use Audacity to record and edit sound bytes
- Use Moviemaker to document an argument

Assessment Tasks:

Year 7

- Use advanced search strategies
- Design, administer and analyse a survey using software
- Document a learning process using graphical and media software

Year 8

- Build a sound story using special audio effects
- Plan, record and edit an oral recording with effects
- Use graphical software to animate with MovieMaker
- Combine edited audio, collated short movie clips to present an argument using MovieMaker

Cost of Materials: Nil

Contact Person: Mr P Brown

TECHNOLOGY: DESIGN TECHNOLOGY

YEAR 8

Duration: One Semester – 250 minutes per fortnight in Year 8

Goals:

- To develop students' skills in identifying the need of a client
- To allow students to become familiar with the use of tools and equipment to carry out processes of designing, making and evaluating the product and process.

Subject Content:

- Create a brief, design, produce and evaluate products
- Knowledge and understanding of the applications of materials and processes, construction, energy, simple machines and electronics
- Understanding of basic safety, risk assessment and accident prevention
- The correct use of machinery and equipment
- Exploring modern materials and manufacturing techniques
- Influence of technology on development of lifestyle and culture

Assessment Tasks and Work Requirements

- Investigation
- Design Folio
- Production work
- Journal and evaluation reports

Costs of Project Materials: \$30.00

Contact person: Mr L Newsome

FOOD TECHNOLOGY

YEAR 8

Duration - One Semester - 250 minutes per fortnight in Year 8

Goals

- To introduce students to the requirements for working with food in the kitchen, via the use of a new recipe book.
- To develop cooperation among students in their development of practical work skills.
- To teach students different methods of food preparation focusing on key foods.
- To encourage students to make choices that will promote a healthy lifestyle and provide nutritional information.
- To introduce the Design Process and provide opportunities for students to design their own 'Muffin' or 'Pizza'.
- To familiarise students with the use of different tools and equipment.

Subject Content

- Exploring food and nutrition principles using the Dietary Guidelines for Australians.
- Understanding recipes, weights and measures.
- Learning good hygiene and safety in the area of food preparation.
- Students will experience a variety of cookery techniques.
- New developments in technology enhancing food production will be experienced in the kitchen.
- Students will be encouraged to use ICT in assessment tasks.

Assessment

Food productions.

Design assignments.

Journal and evaluation reports.

Cost of Materials (Food): \$50.00 (includes the cost of ingredients and take home containers)

Contact Person: Ms V Rivans