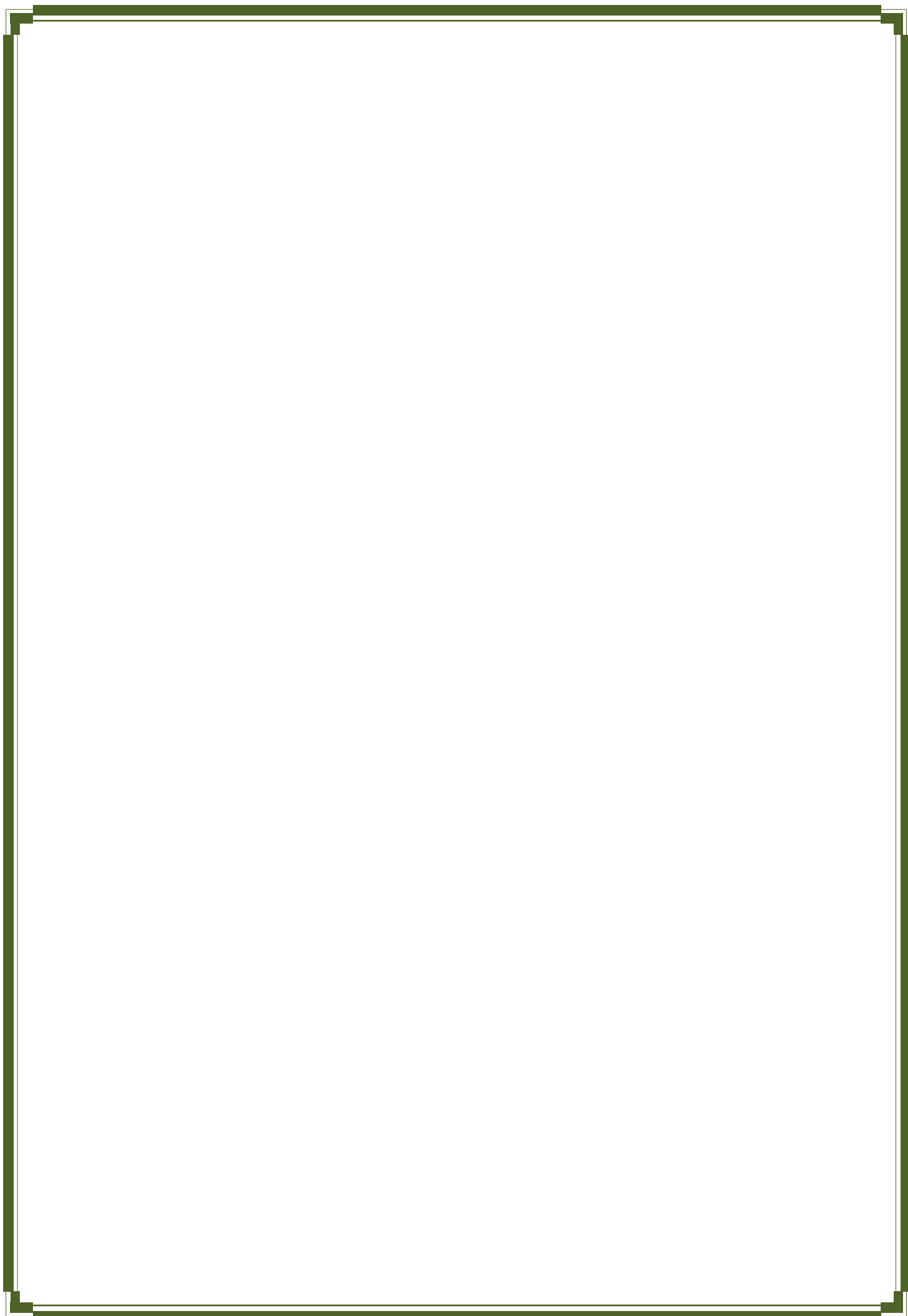




Karamu High School

Year 10 Subject Booklet 2017





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SUBJECT INFORMATION

This booklet provides you with information on the Year 10 Curriculum to be offered at Karamu High School in 2017.

The New Zealand Curriculum Framework requires students to study each of the following seven Essential Learning Areas in Years 9 and 10

- **English**
- **Mathematics**
- **Science**
- **Social Studies**
- **Physical Education and Health**
- **Technology**
- **The Arts**

In addition students are recommended to take a Language. Karamu High School offers two Languages – Japanese and Maori.

If you require any further information about any subject offered or require assistance with choosing options students should talk to their Deans, Mrs Tash Crawford or Mr Jon Read, or to the Deputy Principal in Charge of Curriculum and Assessment, Mrs June Clark. Subject teachers and Form teachers can also give assistance.

Year 10 Curriculum Structure

Students at Year 10 take all the Compulsory subjects and choose **FOUR** Option Subjects from the list below.

Essential Learning Areas	Choosing your Subjects
English Mathematics Science Social Studies Physical Education & Health	All of these subjects are compulsory
DVC Food Innovation Product Design Fashion and Textile Design Digital Technology	Students must choose <u>at least ONE</u> of these Technology subjects
Visual Arts Dance Drama Music Extension Music Media Studies	Students must choose <u>at least ONE</u> of these Arts subjects Students may choose only <u>one</u> of Music or Music Extension
Business Studies	Students may take Business Studies as <u>one</u> of their Option studies
Japanese Te Reo Maori	Students are encouraged to take a Language A Language will be studied as <u>two of the four options</u>

Year 10 Option Choice

Students choose from ONE of the Option Plans below:-

EITHER

PLAN A

One ARTS subject
and
One TECHNOLOGY subject

PLUS

TWO further subjects which may come from: -

BUSINESS STUDIES

or

Any ARTS SUBJECT not already chosen

or

Any TECHNOLOGY SUBJECT not already chosen

OR

PLAN B

Either JAPANESE or MAORI for a full year

PLUS

TWO other subjects selected from

Any ARTS SUBJECT not already chosen

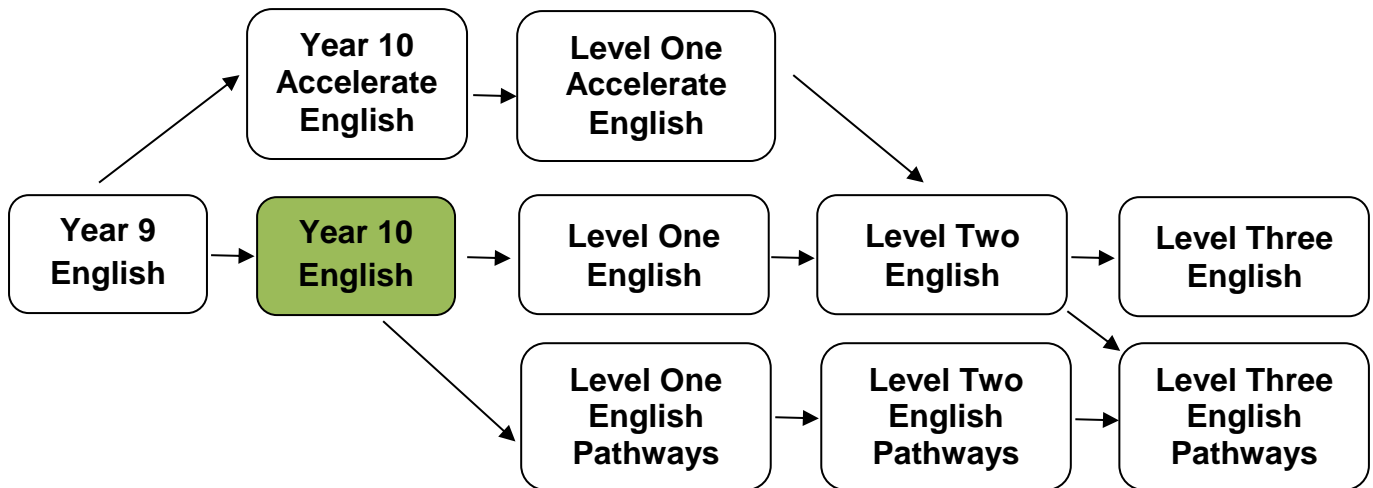
or

Any TECHNOLOGY SUBJECT not already chosen

or

BUSINESS STUDIES

ENGLISH



Compulsory Subject

English is a compulsory subject at Year 9, 10, 11 and 12.

Students are encouraged to take English in Year 13.

Skills learnt in Year 10 English

- Reading a variety of texts for enjoyment and understanding
- Writing in a variety of styles
- Listening carefully and responding
- Learning and thinking independently
- Discussion skills
- Presenting and explaining information in a visual form
- Viewing visual material effectively
- Research skills

Topics covered in Year 10 English

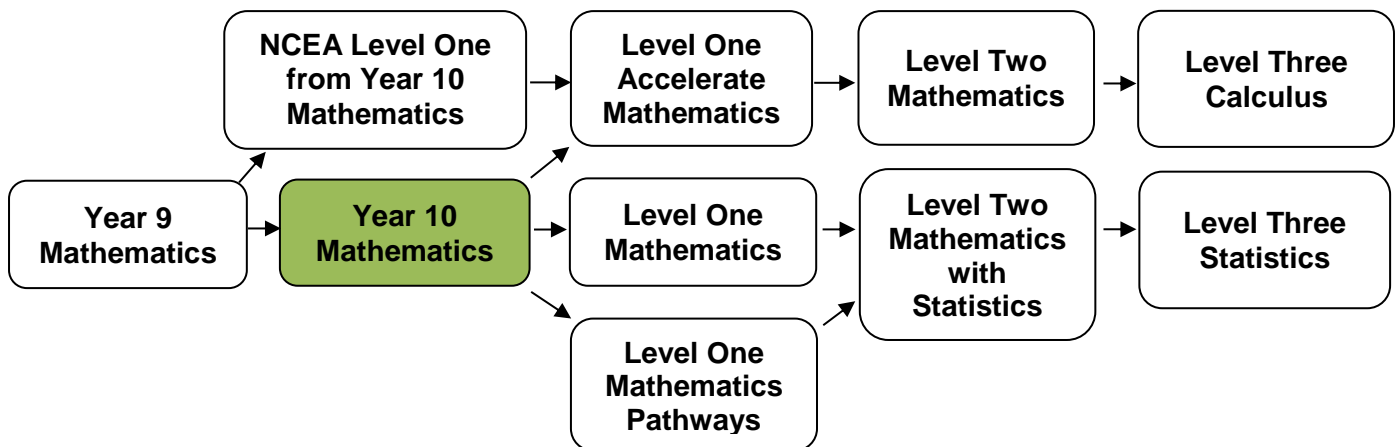
- Reading for a purpose and enjoyment
- Writing creatively, formally and as a response to text
- Speaking and listening in small and large groups
- Viewing and presenting
- Research
- Thinking critically about texts, both studied in class and independently chosen

These skills will be learnt through the study of: - novels, short stories, drama, poetry, non-fiction, newspapers, magazines, films, speeches, debates.

A group of accelerate students are invited to study towards some NCEA Level One English Standards from Year 10.

Costs associated with Year 10 English: None

MATHEMATICS & STATISTICS



Compulsory Subject

Mathematics is a compulsory subject at Year 9, 10 and 11. Students are encouraged to continue with Mathematics at Year 12 and 13.

Skills learnt in Year 10 Mathematics

- How to solve number problems involving fractions, decimals, and percentages
- How to use measurement devices and formulae to solve problems
- How to use statistical methods to explore data
- How to use algebra to generalise patterns and solve problems
- How to communicate geometrically using relational thinking

Topics covered in Year 10 Mathematics

- Measurement
- Geometry and Transformations
- Number and Algebra
- Statistics and Probability

Most students at the end of the course will have reached Level 5 of the New Zealand National Curriculum in preparation for NCEA Level One. Some students will be above and below this level.

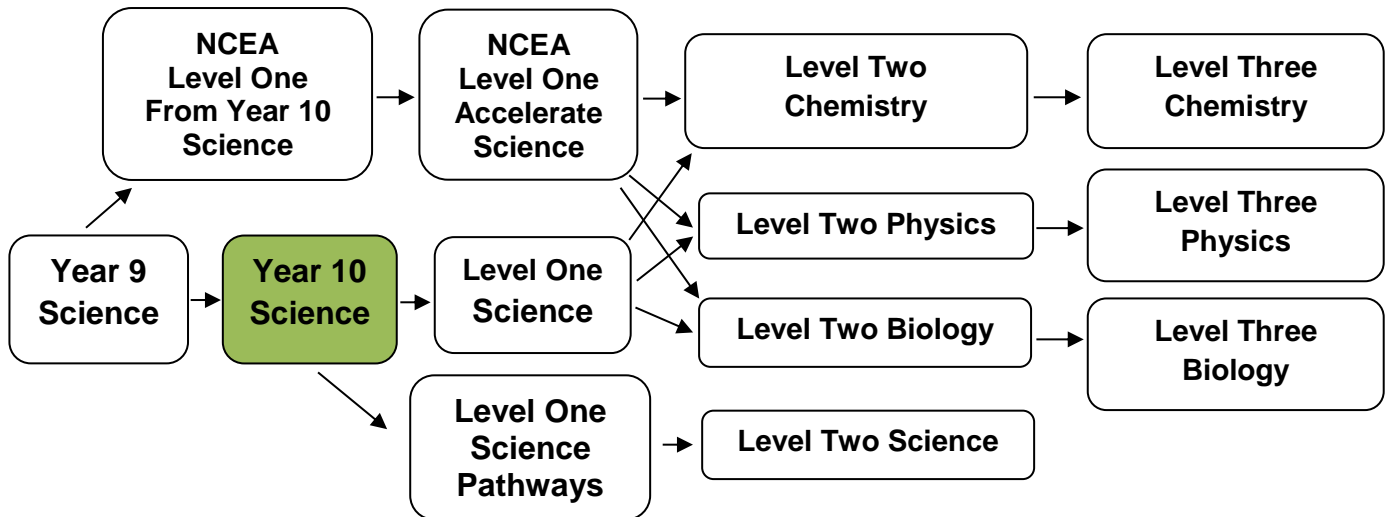
A group of students are invited to study towards some NCEA Mathematics Level One Standards from Year 10

Costs associated with Year 10 Mathematics and Statistics:

Students require a protractor, ruler and a scientific calculator (Casio fx-82AU)

A Homework resource book - \$20.00

SCIENCE



Compulsory Subject

Science is a compulsory subject at Year 9, 10 and 11.

At Year 12 and 13 students can specialise in one or more of the Science subjects.

Skills I will learn and develop in Year 10 Science

- Appreciate that science is a way of explaining the world
- Ask questions, find evidence and explore simple models
- Begin to use a range of scientific symbols and vocabulary
- Explore various aspects of an issue and make decisions about possible actions

Topics covered in Year 10 Science

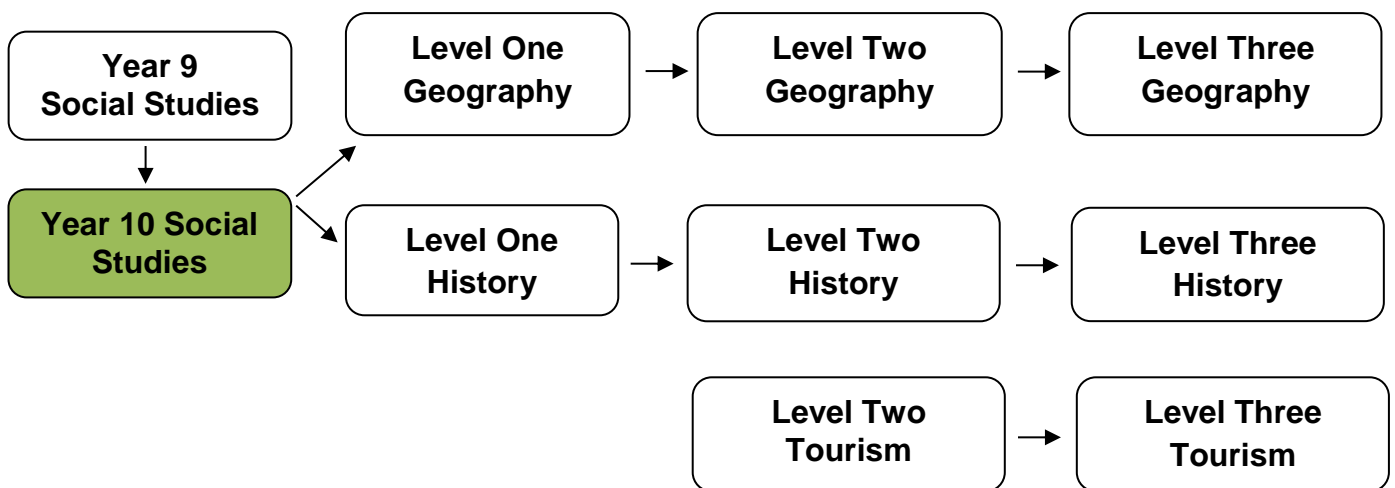
- Acids and Bases
- Humans and Food
- Plant Reproduction and Genetics
- Electricity
- Crashing Concepts
- Heat

A group of accelerate students are invited to study towards a full NCEA Science course from Year 10. In Year 11 these students will specialise in Level One Physics, Chemistry and Biology.

Costs associated with Year 10 Science:

Matariki – Waka Voyage \$20.00

SOCIAL STUDIES



Compulsory Subject

Social Studies is a compulsory subject at Year 9 and 10

Skills learnt in Year 10 Social Studies

- To ask questions, gather information, carry out research, and examine current issues
- To explore and analyse people's values and perspectives
- To consider the ways in which people make decisions and participate in society
- To reflect on and evaluate new ideas
- To interpret and use social studies skills
- Mapping and graphing

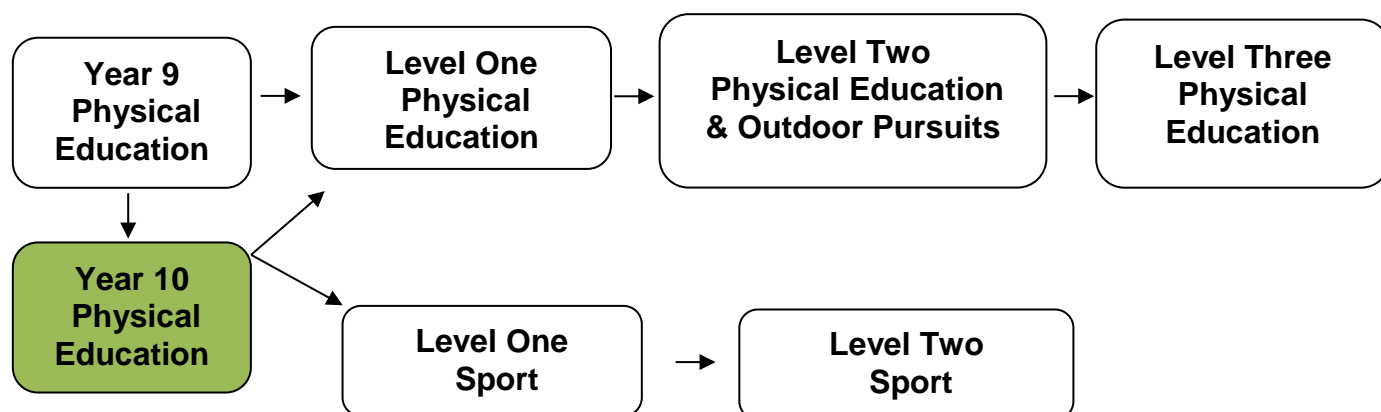
Topics covered in Year 10 Social Studies will be selected from;

- Human Rights
- Foundation of Aotearoa/NZ
- Spread of People and Ideas
- Social Studies Skills
- Economic opportunities and sustainability

A group of students are invited to study some NCEA Level One Social Studies and Geography Standards from Year 10

Costs associated with Year 10 Social Studies: None

PHYSICAL EDUCATION



Compulsory Subject

Physical Education is a compulsory subject at Year 9 and 10

Skills learnt in Year 10 Physical Education

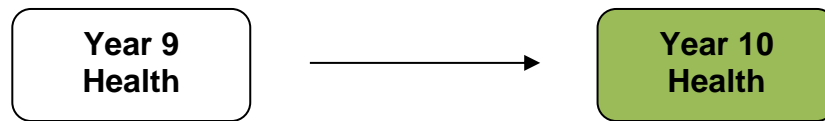
- The ability to interact with others and work together
- Development of motor skills, knowledge and understanding about movement
- The knowledge, understandings, skills and attitudes needed to enhance personal well-being and physical development
- Listening and applying information

Topics covered in Year 10 Physical Education

- Motor skills
- Creating space – badminton
- Fitness
- Using your team – volleyball
- Invasion games – basketball, hockey, football, capture the flag
- Working together
- Tactical Awareness - Cricket

Costs associated with Year 10 Physical Education: None

HEALTH



Compulsory Subject

At Year 10 students have Health for one hour a week

Skills learnt in Year 10 Health

- Understand health issues in terms of themselves, peers and society
- Reflect on their own learning, draw on personal knowledge and intuitions, ask questions, and challenge ideas and views
- Make safe decisions and build healthy relationships
- Work with a wide range of people, listen, show empathy, negotiate and share ideas
- Be self-motivated to meet new challenges and set high standards for themselves

Topics covered in Year 10 Health

Unit 1 *SMART Thinking*

Unit 2 *Decision making/Problem solving*

Unit 3 *Keeping ourselves safe: Drugs*

Unit 4 *Nutrition & Exercise*

Unit 5 *Sexuality*

Costs associated with Year 10 Health:

\$12.00 for paper resources

BUSINESS STUDIES



Option Subject

Business Studies is an option subject at Year 9 and 10 and leads onto NCEA Level One Business Studies.

Skills learnt in Year 10 Business Studies

- Individual work skills
- Negotiating and decision making
- Interviewing, writing questionnaires and market evaluations
- Teamwork and collaboration
- Writing and communication skills

Topics in Year 10 Business Studies

Year 10 Business Studies is divided into: -

- Consumer Rights
- The Enterprise Experience – “Dragon's Den”

Topics will be chosen from:

- Introduction to economic concepts
- How consumers use their scarce resources to satisfy their wants and needs
- Personal Budgets
- Money, income, taxation and savings
- The role of the entrepreneur in a modern economy
- Creating a business plan – including publicity and marketing
- Operating a small business – presenting a business plan and presentation
- Entrepreneurship

Costs associated with Year 10 Business Studies: None

JAPANESE



Option Subject

Languages are optional but students are encouraged to take one Language.

Japanese will take the full year and therefore, counts as two options.

Students should have studied Japanese in Year 9.

Skills learnt in Year 10 Japanese:

- Basic skills in listening, speaking, reading and writing Japanese
- An understanding of another culture
- Working co-operatively

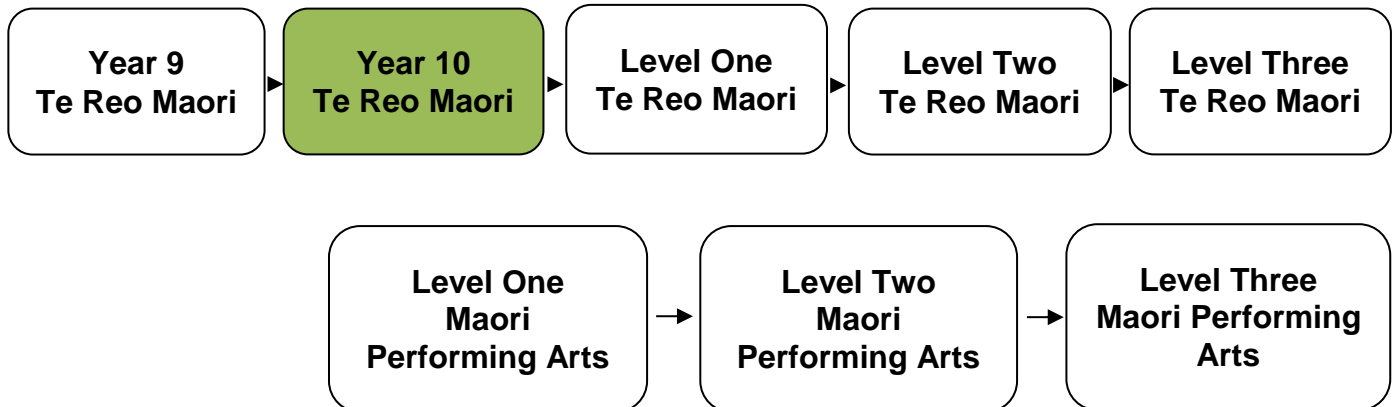
Topics covered in Year 10 Japanese: -

Japanese language is learnt by studying the following themes: -

- Me, my family, my home and my pets
- School – The classroom
- Leisure activities
- Weather
- Eating and Drinking
- Shopping

Costs associated with Year 10 Japanese: None

TE REO MAORI



Option Subject

Languages are optional but students are encouraged to take one Language.

At Year 10 Te Reo Maori is a full year course taken as two options.

Students should have studied Te Reo Maori in Year 9 or have equivalent knowledge

Skills I will learn and develop in Year 10 Te Reo Maori

- Basic skills in reading, writing, speaking and listening
- Working co-operatively
- To participate in Maori concepts

Topics I will cover in Year 10 Te Reo Maori

- Toku Whakapapa
- Mahi Korero/Mihi/Karanga
- Panui/Tuhituhi
- Waiata
- Tōku Marae
- Mahi Toi/Tākaro
- Tikanga Maori
- Ngā pūrakau

Costs associated with Year 10 Te Reo Maori: \$25.00

TECHNOLOGY

At Year 9 and 10 all students must study Technology.

At Year 10 students take four Option subjects.

At **least ONE** option must be from the Technology subjects.

At Year 10 students can choose from:-

- DVC
- Food Innovation
- Product Design
- Fashion and Textile Design
- Digital Technology

Each of these Technology subjects can lead onto NCEA Level One, Two and Three.

DVC

(Design and Visual Communication)



Option Subject

DVC is one of the Technology subjects that Year 10 students can choose from

Skills learnt in Year 10 DVC

- Understand the design process and design development
- Learn the skills of freehand drawing, rendering and instrumental drawing
- Ability to be innovative and creative
- Photoshop for architectural design
- Sketch-up and digital modelling for architectural design
- Model/mock-up making

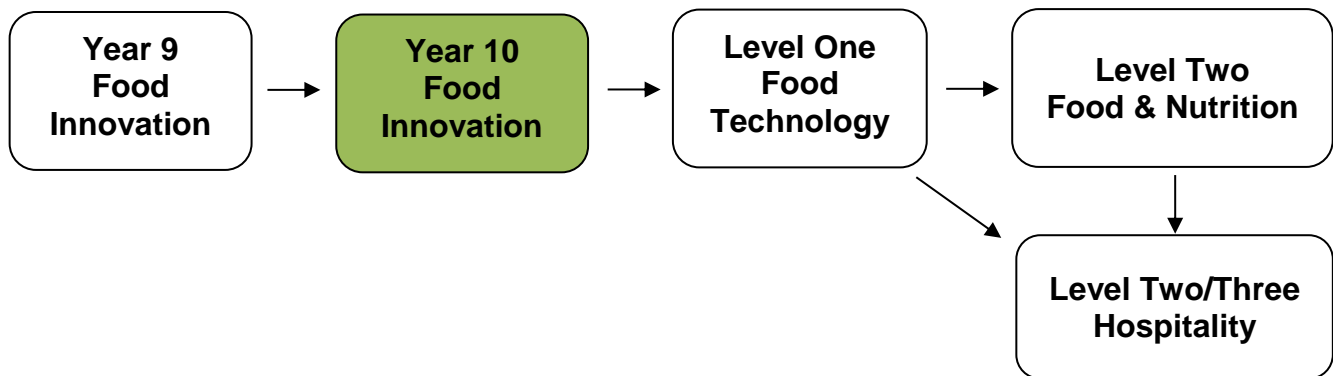
Topics covered in Year 10 DVC

- Students are initially taught basic skills in freehand drawing, rendering, and instrumental drawing
- Students learn about the design process with two briefs: a product design project, and an architectural spatial design project

Costs associated with Year 10 DVC:

\$30.00

FOOD TECHNOLOGY



Option Subject

Food Technology is one of the Technology subjects that Year 10 students can choose

Skills gained in Year 10 Food Technology

- Problem solving skills
- Showing initiative
- Group work – co-operative skills
- Creativity
- Practical skills – techniques and processes in food production

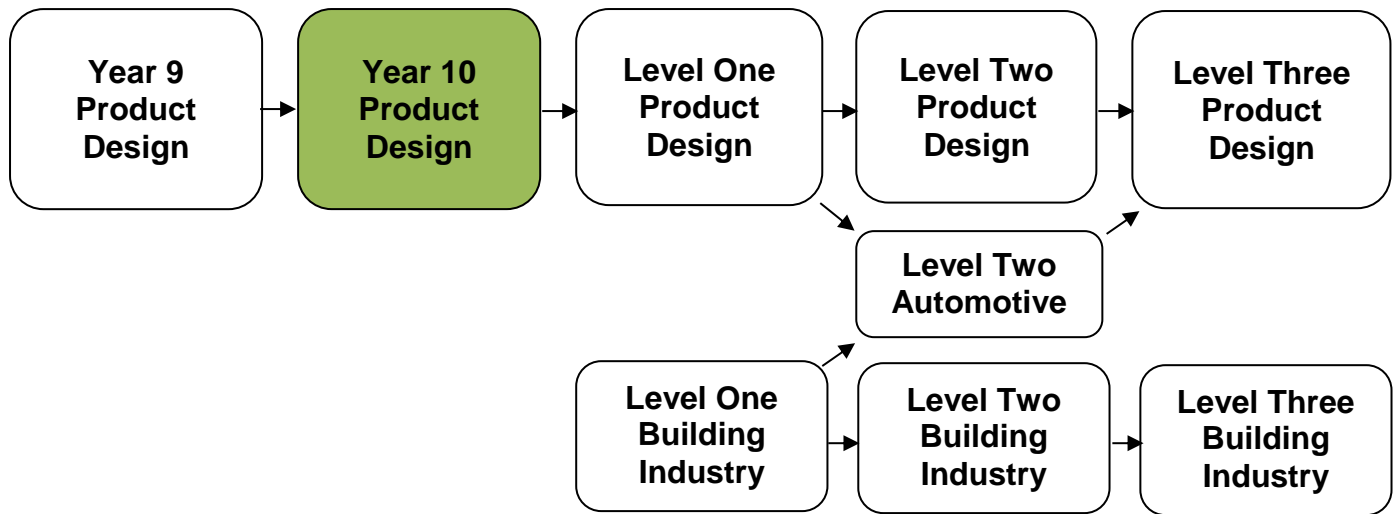
Topics covered in Year 10 Food Technology

- Food safety
- Investigate influences on adolescent food choices
- Investigate the importance of healthy food choices
- Develop and produce a gourmet burger
- Practical cooking

Costs associated with Year 10 Food Technology: -

\$35.00 - All food is supplied by the school

PRODUCT DESIGN



Option Subject

Product Design is one of the Technology Subjects Year 10 students can choose from.

Skills gained in Year 10 Product Design

- Problem solving skills
- Showing innovation and creativity in designing projects
- Selecting the most appropriate material to use
- Shaping, forming, joining and finishing materials
- Constructing projects using wood, metal, plastic etc
- How to use the laser cutter and 3D printers in design projects

Topics covered in Year 10 Product Design

- Workshop safety
- Using the basic tools, machines and equipment
- Using the Technology cycle to plan, design and create projects
- Design and make a device holder using a range of materials, tools and laser cutting technology
- Individual design project using a range of possible materials and techniques

Costs associated with Year 10 Product Design: -

\$30.00

FASHION & TEXTILE DESIGN



Option Subject

Fashion and Textile Design is one of the Technology subjects Year 10 students can choose from.

Skills I will learn in Year 10 Fashion and Textile Design

- Problem solving skills
- Showing initiative
- The ability to be innovative and creative
- The ability to experience a sense of accomplishment
- Self-management skills
- Safety
- Sewing Techniques

Topics covered in Year 10 Fashion and Textile Design

- Applied design – applique, stencilling and embellishment
- A garment to suit the season
- Brief development to produce a suitable design and construction of a quality product
- Advanced sewing machine licence and over locker licence

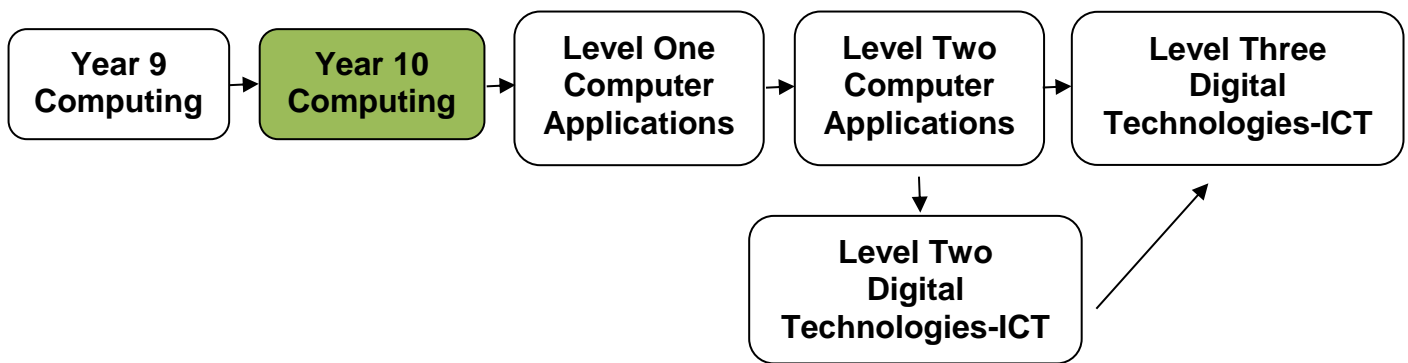
This is a very student centred learning environment where students are encouraged to be creative, innovative and self-motivated

Costs associated with Year 10 Fashion and Textile Design: -

\$30.00 - Students will need to purchase their own fabric and notions for their projects

DIGITAL TECHNOLOGIES

COMPUTER APPLICATIONS



Option Subject

Computing is one of the Technology subjects Year 10 students can choose from. Students should have studied Year 9 ICT or have an equivalent skill level.

Skills learnt in Year 10 Computing

- Standard operating and file management procedures
- Ethical behaviour and how to be safe within a digital technology environment
- The ability to be innovative and creative
- Showing initiative
- Technological process to achieve an appropriate solution

Topics covered in Year 10 Computing

Year 10 Computing further develops the skills learnt in Year 9 and may include: -

- Word Processing
- Databases
- Spread-sheets
- Hardware and Software Theory
- Graphics
- Desktop Publishing
- Web Design
- Programming
- Technology Design and Planning

Costs associated with Year 10 Computing: None

THE ARTS

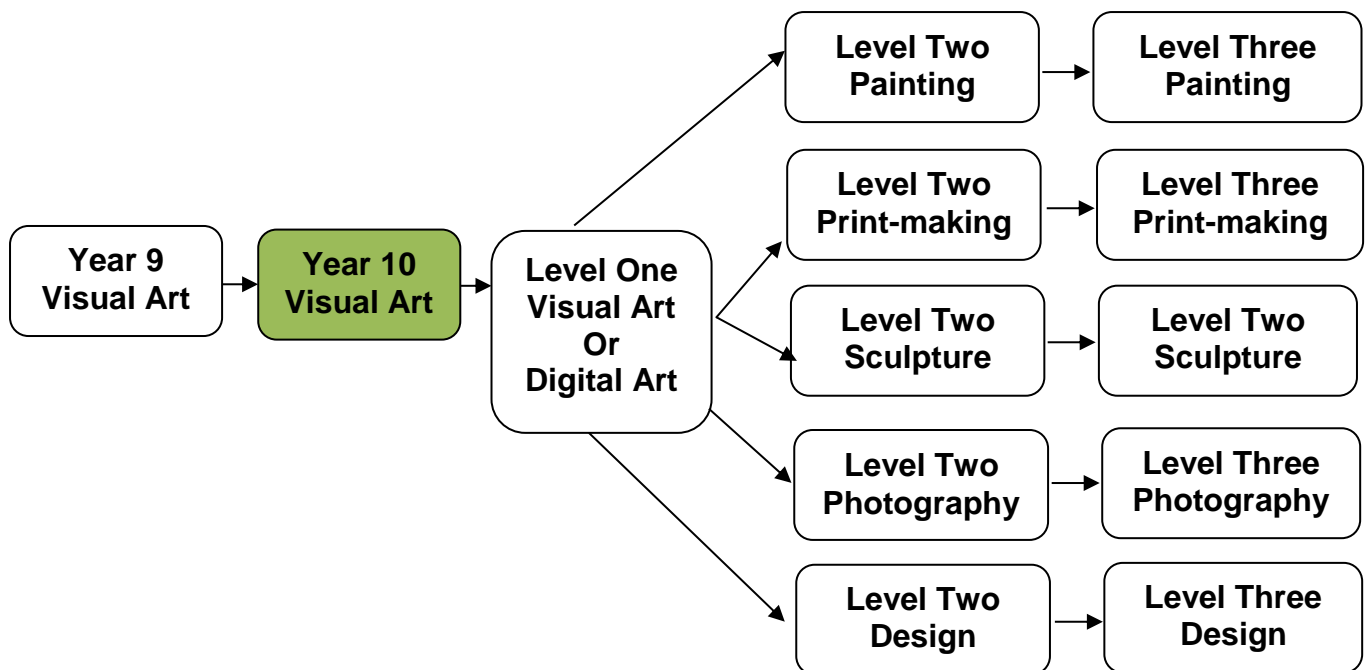
At Year 10 students take four Option subjects at least **ONE** must be from The Arts subjects.

At Year 10 students can choose from:-

- Art
 - Dance
 - Drama
 - Music
 - Music Extension
 - Media Studies
- } **Students may select
only one of these**

Each of these Arts subjects can lead onto study for NCEA Level One, Two and Three.

VISUAL ARTS



Option Subject

Visual Art is one of the Arts subjects Year 10 students can choose from. There is the opportunity to explore aspects of Art offered in the senior years.

Skills learnt in Year 10 Visual Art:

- Develop their artistic and aesthetic understanding and skills
- Creativity and innovation through the study and creation of new Artworks
- Ability to generate and develop ideas in a range of Media and Techniques

Topics covered in Year 10 Visual Art:

- Drawing looking at proportion, tonal aspects and composition.
- Digital Photography and Design
- Sculpture
- Painting and colour theory
- Printmaking

Costs associated with Visual Art: \$22.00

Dance



Option Subject

Dance is one of the Arts subjects Year 10 students can choose from.

Skills learnt in Year 10 Dance:

- To further develop confidence and self-discipline
- Ability to work co-operatively in a group
- Creativity
- Choreography skills – creating movement to around a theme or idea
- Performance skills

Topics covered in Year 10 Dance:

- Choreography techniques
- Use the Dance elements to create movement sequences and extend dance skills
- Different styles of dance styles; Hip hop, Jazz, Ballet, Contemporary, Social Dance, Cultural Dance, Theatre Dance
- Introduction to choreographic devices

Costs associated with Year 10 Dance: \$10.00

DRAMA



Option Subject

Drama is one of the Arts subjects Year 10 students can choose from.

Students need to have a genuine interest in Drama and an enthusiastic approach to performing

Skills learnt in Year 10 Drama:

- Techniques of voice, movement, gesture, and facial expression
- Group co-operation
- The ability to be innovative and creative
- The ability to show initiative
- Develop self-confidence and leadership
- Basic performance techniques

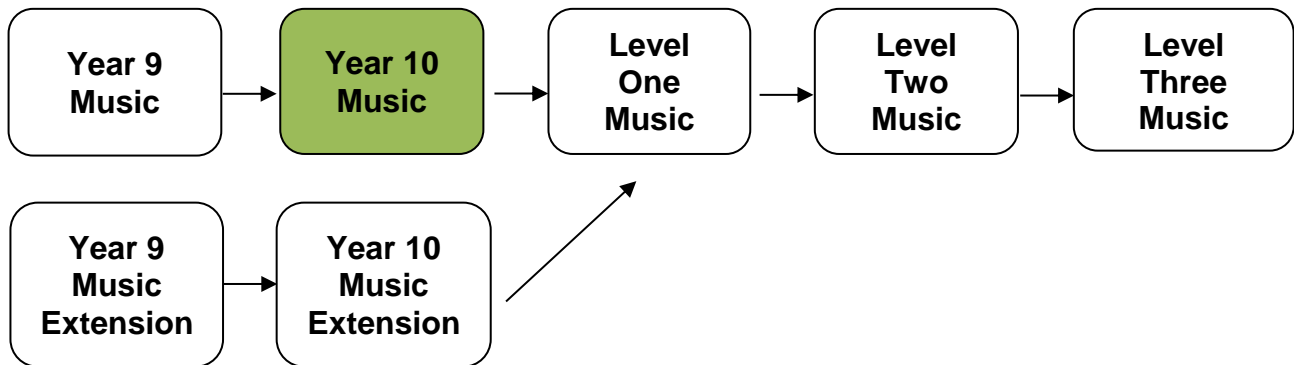
Topics cover in Year 10 Drama:

- Use Drama techniques, elements and conventions
- Theatre form
- Develop and present a drama
- Perform in a scripted play

*An opportunity to gain NCEA Performing Arts Technology Credits

Costs associated with Year 10 Drama: \$10.00

MUSIC



Option Subject

Music is one of the Arts subjects students can choose from in Year 10.

Students can only do **ONE** of Music and Music Extension. Please carefully read the entry criteria for both Music and Music Extension.

Skills learnt in Year 10 Music

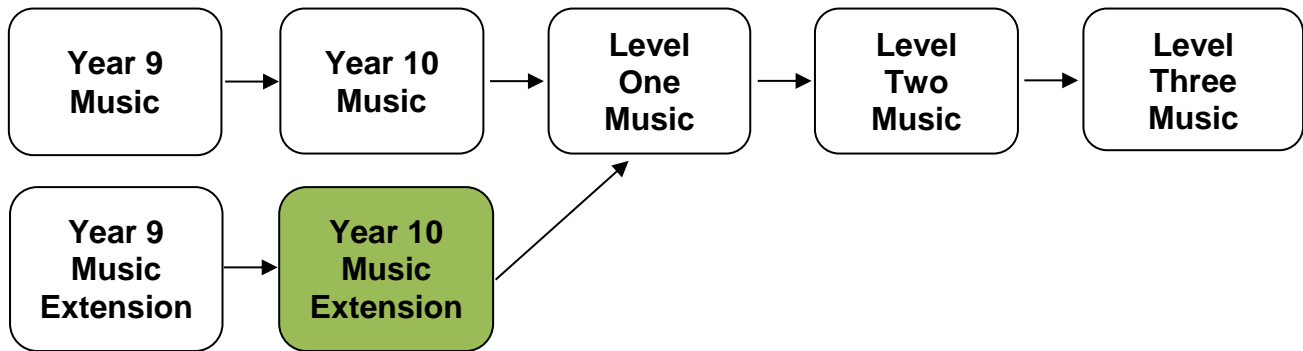
- To develop ability on musical instruments
- To develop an understanding and appreciation of music through listening
- To develop rhythmic ability
- Ability to work in a group
- Creativity and initiative

Topics covered in Year 10 Music

- Develop understanding of the elements of music
- Perform music individually and in groups on an instrument of choice
- Study a variety of musical styles
- Develop creative composition skills by composing as a member of a group
- Compose music using computer software
- Research project specific to music styles

Costs associated with Year 10 Music: \$20.00

MUSIC EXTENSION



Option Subject

Music Extension is one of the Arts subjects students can choose from in Year 10.

Students can only do **ONE** of Music and Music Extension. Please carefully read the entry criteria below to see which.

Skills learnt in Year 10 Music Extension

- To develop ability on their musical instrument
- To develop an understanding and appreciation of music
- Ability to work in a group
- Creativity and initiative
- Develop aural awareness

Topics covered in Year 10 Music Extension

- Develop aural skills of rhythm, melody and chords recognition
- Develop skills on an instrument of choice
- Perform music individually and in groups
- Study a variety of musical styles
- Compose music using computer software
- Research projects on movie score composers

Entry requirement for Year 10 Music Extension

- To take Music Extension students must be able to play an instrument to a level equivalent to that of one year of private tuition

Costs associated with Music Extension: \$20.00

MEDIA STUDIES



Option Subject:

Media Studies is one of the Arts subjects students can choose from in Year 10.

Skills developed in Year 10 Media Studies

- Creativity and innovation
- Initiative
- Working co-operatively
- Planning and processing
- Techniques involved in making a film

Topics covered in Year 10 Media Studies

This course further develops the skills gained in the Year 9 Media Studies course: -

- ❖ An introduction to Media Studies theory
- ❖ Study of a Film Genre
- ❖ Working as a group to make short films
- ❖ Visual language study

Costs associated with Year 10 Media Studies: \$10.00

