

Year 13

Option Book

2011 for 2012



BOTANY DOWNS
Secondary College

Name:

Whanau Class:

The following booklet contains information of the Year 13 programme at BDSC.

- Subject flowcharts are located on Pages 26 to 33.
- All following subjects will run depending on the number of applicants and availability of staff and facilities (in practical subjects).
 - Entry to some courses will be limited.
 - Entry to all courses will be at the discretion of the appropriate Head of Learning Area.
- The final selection of standards per subject (worth approx 18-24 credits) will be made from the standards presented in the option booklet when the curriculum alignment process has been finalised.

Year 13 Optional Subjects

Every Year 13 student at Botany Downs Secondary College can choose 5 options. Information for these courses can be found on the following pages listed.

Accounting	Page 4
Art History	Page 4
Biology	Page 5
Business Studies	Page 5
Calculus	Page 6
Calculus Alternative	Page 6
Chemistry	Page 7
Classical Studies	Page 7
Dance	Page 8
Design	Page 8
Design and Visual Communication	Page 9
Digital Technology	Page 9
Drama	Page 10
Early Childhood Education	Page 10
Economics	Page 11
Electronics	Page 11
English U Band	Page 12
English R Band	Page 12
English M Band	Page 13
English C Band	Page 13

English ESOL	Page 14
Fashion & Design Technology	Page 14
Financial Studies	Page 15
Food & Hospitality	Page 15
Food Technology	Page 16
French	Page 16
Geography	Page 17
Health Education	Page 17
History	Page 18
Japanese	Page 18
Multi-Material Technology	Page 19
Media Studies	Page 19
Music Studies	Page 20
Outdoor Education	Page 20
Photography	Page 21
Physical Education	Page 21
Physics	Page 22
Practical Music	Page 22
Science	Page 23
Sports Leadership	Page 23
Statistics & Modelling	Page 24
Statistics & Modelling Alternative	Page 24
Travel and Tourism	Page 25
Visual Arts	Page 25

ACCOUNTING

Course Code	13ACC
Qualification and level	NCEA Level Three
Target Group	Students working towards NCEA Level 3

Course Outline

The purpose of accounting is to provide financial and non-financial information to assist decision-making in the management of, and investment in, public and private sector organisations. The major roles of an accountant are to identify, measure, interpret and communicate information relevant to these decisions. In addition, the study of Accounting is designed to promote critical thinking and develop practical competencies, and prepare students for university education and a wide variety of careers. This course builds on the introductory Accounting studied at Level 1 and 2, and moves it into the sphere of partnerships and companies. Concepts are applied to these businesses; processing undertaken and statements are provided.

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Achievement Standards				
AS90504	Accounting 3.5	Prepare a report that analyses and interprets a companies financial report for external users	Internal	5
NCEA External Achievement Standards				
AS90500	Accounting 3.1	Describe and apply the conceptual basis of accounting in context	External	4
AS90501	Accounting 3.2	Process financial information for partnerships and companies	External	3
AS90503	Accounting 3.4	Prepare financial statements for partnerships and companies	External	6
AS90505	Accounting 3.6	Explain and prepare information for management decision making	External	3
Possible Credits Available			21 credits	

Course Prerequisites 13 credits in NCEA Level 2 Accounting

Fieldwork -

Approximate Course Costs Approximately \$30

Course Leads to Tertiary Study and careers in Auditing, Budget Analysis, Financial or Management Accounting and Tax Accounting for Accounting Firms, Government, Corporations or even running your own Accounting firm.

Course Provider/Assessor Botany Downs Secondary College

Teacher in charge of subject Ms Cobden-Grainge

HOLA in charge of subject Mr Andrew

ART HISTORY

Course Code	13ARH
Qualification and level	NCEA Level Three
Target Group	Students working towards NCEA Level 3

Course Outline

This is an academic course, which focuses on written responses to art works and their historical contexts. Students study contemporary and traditional Western art forms from the Renaissance to Modern American. They are required to research, analyse and respond to given artworks and artists and students learn terminology and language specific to the visual arts. This course prepares students for tertiary study in the arts and complements the Level 3 practical art courses and Classics.

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Achievement Standards				
AS90492	Visual Art 3.3	Examine media and processes in art	Internal	3
AS90493	Visual Art 3.4	Examine a theory and its role in art	Internal	4
AS90494	Visual Art 3.5	Investigate an art issue	Internal	4
NCEA External Achievement Standards				
AS90490	Visual Art 3.1	Analyse style in art	External	5
AS90491	Visual Art 3.2	Describe the meaning of iconographic motifs	External	4
AS90495	Visual Art 3.6	Examine the context of an art movement	External	4
Possible Credits Available			24 credits	

Course Prerequisites 12 credits in NCEA Level 2 Art History

Fieldwork Trips to gallery and museum

Approximate Course Costs -

Course Leads to Tertiary Study in Fine Arts/Art History

Course Provider/Assessor Botany Downs Secondary College

Teacher in charge of subject Mr Whibley

HOLA in charge of subject Miss Clapperton

BIOLOGY

Course Code	13BIO
Qualification and level	NCEA Level Three
Target Group	Students working towards tertiary biological sciences or other related fields including environmental science.

Course Outline

Year 13 (Level 3) Biology continues the themes of Year 12/ Level 2, focusing on genetics, biotechnology and ecology, which have great relevance in today's scientific community. The course is designed to give students the knowledge to understand developments in these areas, both past and present and the ability to appreciate their significance in life in the 21st century. Study will be focused on DNA expression and evolution and will also give consideration to the changes in the environment effecting both animals and plants. In addition the course also gives students the opportunity to fine tune their research and investigative skills which can be transferred to a range of tertiary studies. Outstanding students may choose to sit the Biology Scholarship (Level 4) exam at the end of the course.

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Achievement Standards				
AS90714	Biology 3.2	Research a contemporary biological issue	Internal	3
AS90718	Biology 3.6	Describe applications of biotechnological techniques	Internal	3
NCEA External Achievement Standards				
AS90715	Biology 3.3	Describe the role of DNA in relation to gene expression	External	4
AS90716	Biology 3.4	Describe animal behaviour and plant responses in relation to environmental factors	External	4
AS90717	Biology 3.5	Describe processes and patterns of evolution	External	3
AS90719	Biology 3.7	Describe trends in human evolution	External	3
Possible Credits Available			21 credits	

Course Prerequisites	14 credits in NCEA Level 2 Biology including AS 90459 (genetics) and 12 credits (NCEA Level 2 Achievement Standards) in both Mathematics and English Students that do not meet the above prerequisites but who still wish to study Biology at NCEA Level 3 can enter into a modified Y13 course. Entry into this course will require the HOD's endorsement.
Fieldwork	EOTC will be carried out at the Liggin's Institute, Auckland Museum and Auckland Zoo to enhance the study of genetics, evolution and biotechnology.
Approximate Course Costs	Course Workbook - \$35 Fieldwork - \$100 (to be confirmed)
Course Leads to	Tertiary Study in Biology or related fields
Course Provider/Assessor	Botany Downs Secondary College
Teacher in charge of subject	Ms Davies
HOLA in charge of subject	Mr Clay

BUSINESS STUDIES

Course Code	13BUS
Qualification and level	NCEA Level Three
Target Group	Students working towards a career in Business practices or starting their own business.

Course Outline

Students will gain knowledge, skills, and experience to : (A) Analyse how and why businesses in New Zealand operating in the national and global markets make operational and strategic decisions in response to interacting internal and external factors. (B) Plan, take to market, review and then refine an innovative, sustainable business activity; analyse the activity and its success in the market place. Year 13 Business Management Unit Standards will be replaced with 13 Business Studies Level 3 Achievement Standards for 2012.

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Achievement Standards				
90852	AS3.4	Develop a marketing plan for a new or existing product	Internal	3
90853	AS3.5	Provide solutions to a human resource issue affecting a business	Internal	3
90854	AS3.6	Carry out and evaluate an innovative, sustainable business activity with consultation	Internal	12
NCEA External Achievement Standards				
90849	AS3.1	Demonstrate an understanding of how internal operations interact within different types of businesses	External	4
90850	AS3.2	Demonstrate an understanding of how different types of businesses respond to complex external influences	External	4
90851	AS3.3	Apply strategic business knowledge to a complex problem(s) in a given global context	External	4
Possible Credits Available			30 credits	

Course Prerequisites	NCEA Level 2 including 8 Level 2 English reading and writing credits. Students will work with a business to develop an innovative product by assisting them to develop it.
Approximate Course Costs	\$ 30 business activity fee
Course Leads to	All students who take Business Studies potentially gain the knowledge, skills, and attributes required to become entrepreneurs, run their own business. Some students may pursue further qualifications in Business Studies or commerce at polytechnics, wānanga, or universities.
Course Provider/Assessor	Botany Downs Secondary College
Teacher in charge of subject	Mr De Beer
HOLA in charge of subject	Mr Andrew

CALCULUS

Course Code 13MAC
Qualification and level NCEA Level Three
Target Group Students working towards NCEA Level 3

Course Outline

This NCEA Level 3 course will assess all five Calculus Level 3 Achievement Standards giving a total of 24 credits. The aims of the standards are to consolidate and extend students' ability in algebraic, graphical and computations skills, to extend students' ability to formulate problems in mathematical terms and advance students' understanding of the nature of mathematical reasoning. This highly academic course also enables students to work towards scholarship level.

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Achievement Standards				
AS90637	Mathematics 3.3	Solve problems and equations involving trigonometric functions	Internal	4
NCEA External Achievement Standards				
AS90635	Mathematics 3.1	Differentiate and use derivatives to solve problems	External	6
AS90636	Mathematics 3.2	Integrate functions and use integrals to solve problems	External	6
AS90638	Mathematics 3.4	Manipulate real and complex numbers and solve equations	External	5
AS90639	Mathematics 3.5	Sketch graphs of conic sections and write equations related to conic sections	External	3
Possible Credits Available			24 credits	

Course Prerequisites Merit or better in AS90284- Algebra , AS90286 - Calculus and an Achievement or better in AS90285-Non-Linear Graphs, AS90292- Trigonometric Equations and AS90287 (US5245) Coordinate Geometry

Fieldwork -
Approximate Course Costs Nulake Calculus Workbook- \$27, Course Handbook - \$10, FX9750GII Casio Graphic calculator -approximately \$120 is compulsory
 Scholarship workbook – approximately \$25

Course Leads to This course will lead to University courses in engineering, sciences and any field where mathematical analysis is important.

Course Provider/Assessor Botany Downs Secondary College
Teacher in charge of subject Mr Lin
HOLA in charge of subject Ms Bennet

CALCULUS ALTERNATIVE

Course Code 13MCA
Qualification and level NCEA Level Three
Target Group Students working towards NCEA Level 3

Course Outline

This NCEA Level 3 course will assess four Calculus Level 3 Achievement Standards giving a total of 21 credits. The aims of the standards are to consolidate and extend students' ability in algebraic, graphical and computations skills, to extend students' ability to formulate problems in mathematical terms and advance students' understanding of the nature of mathematical reasoning.

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Achievement Standards				
AS90637	Mathematics 3.3	Solve problems and equations involving trigonometric functions	Internal	4
NCEA External Achievement Standards				
AS90635	Mathematics 3.1	Differentiate and use derivatives to solve problems	External	6
AS90636	Mathematics 3.2	Integrate functions and use integrals to solve problems	External	6
AS90638	Mathematics 3.4	Manipulate real and complex numbers and solve equations	External	5
Possible Credits Available			21 credits	

Course Prerequisites Must have at least an achievement or better in AS90284-Algebra, AS90286-Calculus, AS90292- Trigonometric Equations and AS90287 (US5245)Coordinate Geometry

Fieldwork -
Approximate Course Costs Nulake Calculus Workbook- \$27, Course Handbook \$10, FX9750GII Casio Graphic calculator -approximately \$120 is compulsory

Course Leads to This course will lead to University courses in engineering, sciences and any field where mathematical analysis is important.

Course Provider/Assessor Botany Downs Secondary College
Teacher in charge of subject Mr Lin
HOLA in charge of subject Ms Bennet

CHEMISTRY

Course Code	13CHE
Qualification and level	NCEA Level Three
Target Group	Students working towards studying tertiary chemistry or sciences or other related fields, e.g. engineering, medicine, etc.

Course Outline

Chemistry is the study of the composition and properties of matter, and the changes it undergoes. Students will sit the NCEA Level 3 Chemistry examinations at the end of the course. Outstanding students may choose to sit the Chemistry Scholarship (Level 4) exam at the end of the course. Achievement Objectives: In the content and context areas of this course students can: Investigate and explain the development of selected chemical processes and their interaction with people and the environment; Carry out qualitative and quantitative investigations to obtain, interpret, and use a range of chemical information; Understand and use the central concepts and patterns appropriate to the study of chemistry at this level. Topics Covered: 1. Redox Reactions; 2. Atoms, Ions and Molecules; 3. Organic Chemistry; 4. Aqueous Systems; 5. Thermochemistry. A further internal standard will be decided upon so that students can obtain endorsement.

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Achievement Standards				
AS90695	Chemistry 3.2	Determine the composition of an oxidant or reductant by titration	Internal	2
Unknown		To be decided at a later date.	Internal	
NCEA External Achievement Standards				
AS90696	Chemistry 3.3	Describe oxidation-reduction processes	External	3
AS90780	Chemistry 3.4	Describe properties of particles and thermochemical principles	External	5
AS90698	Chemistry 3.5	Describe aspects of organic chemistry	External	5
AS90700	Chemistry 3.7	Describe properties of aqueous systems	External	5
Possible Credits Available			20 credits	

Course Prerequisites At least 14 credits in NCEA Level 2 Chemistry and at least 12 credits in Level 2 Mathematics (Achievement Standards)
Students that do not meet the above prerequisites but who still wish to study Chemistry at NCEA Level 3 can enter into a modified Y13 course. Entry into this course will require the HOD's endorsement.

Fieldwork -

Approximate Course Costs

Course Leads to Tertiary Study in Chemistry or related fields

Course Provider/Assessor Botany Downs Secondary College

Teacher in charge of subject Mr Henty

HOLA in charge of subject Mr Clay

CLASSICAL STUDIES

Course Code	13CLS
Qualification and level	NCEA Level Three
Target Group	Students working towards NCEA Level 3

Course Outline

Classical Studies is a holistic study of the Greek and Roman civilisations. It covers philosophy, art, architecture, society, politics, drama, literature and history. At Level 3 Classical Studies focuses on introducing the ancient world to students and on developing the skills necessary to study ancient history. The study of ancient history involves looking at all aspects of a society in order to piece together what life would have been like, beliefs and values of the people of that time and the major historical events of the period. The topics covered are Socrates, a study of the Aeneid by Virgil or Aristophanes' Comedies, Greek vase painting, and Roman Art and Architecture.

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Achievement Standards				
AS90514	Classical Studies 3.4	Complete independent research on an area of the classical world	Internal	6
NCEA External Achievement Standards				
AS90511	Classical Studies 3.1	Explain a passage or passages from a work of classical literature in translation	External	6
AS90512	Classical Studies 3.2	Explain a work or works of classical art	External	6
AS90513	Classical Studies 3.3	Explain in essay format an aspect of the classical world	External	6
Possible Credits Available			24 credits	

Course Prerequisites 12 credits in NCEA Level 2 Classical Studies, History or English.

Fieldwork To be confirmed

Approximate Course Costs To be confirmed

Course Leads to Tertiary Study in Classical Studies and English.

Course Provider/Assessor Botany Downs Secondary College

Teacher in charge of subject Mrs Jacobsen

HOLA in charge of subject Mr Andrew

DANCE

Course Code	13DAN
Qualification and level	NCEA Level Three
Target Group	Students working towards NCEA Level 3

Course Outline

The Year 13 Dance course will focus on the following: Choreography, Dance Perspectives, and Dance for Performance. Dance is a subject which explores a range of Dance practices, Choreographic techniques, and Dance theories. Dance at level three is both physically demanding and mentally challenging. Students are required to dance daily as well as complete a daily journal.

The level three dance programme has a strong New Zealand focus, students will work with New Zealand Choreographers and guest tuors. Students will develop a broad range of dance techniques a small sample would include; Contemporary Dance, Composition and Choreography, Ethnic Dance, and Social Dance.

Students are required to rehearse as part of their on-going homework in this subject and are required to view a minimum of two live dance performances.

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Achievement Standards				
AS90954	Dance 3.1	Integrate dance elements, devices, and structure to develop a concept and choreograph a dance for performance	Internal	9
AS90955	Dance 3.2	Integrate dance elements, devices, and structure to perform a solo or duet dance for an audience	Internal	3
AS90956	Dance 3.3	Perform in a choreographed group dance to an audience	Internal	4
NCEA External Achievement Standards				
AS90597	Dance 3.4	Critically analyse and respond to a dance performance	External	4
Possible Credits Available			18 credits	

Course Prerequisites	Level 2 Dance, Level 2 English
Fieldwork	Field trip and costs are yet to be confirmed
Approximate Course Costs	\$50
Course Leads to	Tertiary Study
Course Provider/Assessor	Botany Downs Secondary College
Teacher in charge of subject	Ms Rakanui
HOLA in charge of subject	Ms Rakanui

DESIGN

Course Code	13DES
Qualification and level	NCEA Level Three
Target Group	Students working towards NCEA Level 3

Course Outline

Design is a discipline. If done well, it facilitates this exchange by presenting new ideas, products and services in a way that draws the viewer in and communicates information clearly and concisely, with as little effort on the part of the viewer as possible. Design is the architecture of information.

Designers work in almost every vocation in the modern world. Art Design provides an introduction to the necessary basic skills and tools for students considering a career in any design based field. This course will cover a variety of media and software applications in order to give a broad base of basic knowledge. Specifically they will have an introduction to illustration, typography, identity design, image manipulation, advertising and animation in a variety of media. Leading design softwares such as Illustrator, InDesign and Photoshop CS5 will help students to collate and present their ideas into a final outcome.

This is an exciting new course that will help students focus on the best of traditional art and computer-aided design into one discipline.

Note Level 3 Art Design: Afterschool sessions in the first few weeks will be necessary to learn new software. Students must also be able to use a computer confidently.

Note: Students can take a maximum of two subjects from Visual Art, Photography and Design at Year 13

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Achievement Standards				
AS90516	Design 3.2	Investigate and use ideas and methods in the context of a drawing study in design	Internal	6
NCEA External Achievement Standards				
AS90517	Design 3.3	Produce original work within design to show extensive knowledge of art-making methods and ideas	External	14
Possible Credits Available			20 credits	

Course Prerequisites	16 credits in NCEA Level 2 Visual Art or HOD approval
Fieldwork	Gallery Visit
Approximate Course Costs	\$25 plus folio printing as needed
Course Leads to	Tertiary Study in Design
Course Provider/Assessor	Botany Downs Secondary College
Teacher in charge of subject	Ms Cunningham
HOLA in charge of subject	Ms Clapperton

DESIGN AND VISUAL COMMUNICATION

Course Code	13DVC
Qualification and level	NCEA Level Three
Target Group	Students working towards NCEA Level 3

Course Outline

This course will build on the experiences of Level 2 and will enable students to apply their acquired knowledge to a Graphics area of their choice. Students will select a stakeholder/client who they will work with to establish and produce an outcome to a design need. These design opportunities will enable students through their selection to explore areas of graphics that better suit their interests and strengths. Students will choose from one of the following design areas: architectural/environmental design, engineering/technological design or media/technical illustration design. This will enable them to achieve in both the internal and external achievement standards through the production of design work, working drawings, models and through testing and evaluation. They will also plan and produce illustrative presentation portfolios suitable for presentation to their client for final approval.

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Achievement Standards/Unit Standards				
Two of AS90736	Graphics 3.3	Develop and communicate a solution to an architectural or environmental design brief	Internal Students attempt 2/3 standards	5 each (10 credits)
or AS90737	Graphics 3.4	Develop and communicate a solution to an engineering or technological design brief		
or AS90738	Graphics 3.5	Develop and communicate a solution to a media or technical illustration design brief		
NCEA External Achievement Standards				
AS90734	Graphics 3.1	Negotiate a brief and a solution by applying a design process	External	5
AS90735	Graphics 3.2	Plan and produce a presentation to communicate design ideas	External	4
Possible Credits Available			19 Credits	

Course Prerequisites	15 credits in NCEA Level 2 Graphics or 20 credits in Level 1 Graphics
Fieldwork	Possible visitation to work with a chosen client.
Approximate Course Costs	\$20
Course Leads to	Tertiary Study in Graphics Design studies
Course Provider/Assessor	Botany Downs Secondary College
Teacher in charge of subject	Mr Achary
HOLA in charge of subject	Mr Achary

DIGITAL TECHNOLOGY

Course Code	13DIT
Qualification and level	NCEA Level Three
Target Group	Students working towards NCEA Level 3

Course Outline

This course uses some of the assessments from the Technology Curriculum and also a Computing Unit Standard. It provides the opportunity for students to gain up to 19 credits at Level 3. It is a University Approved subject as it offers 16 Achievement Standard credits on the Approved subject list.

There will be a focus on multimedia and students will create a Flash Movie and a product of their own choosing from a selection of software.

Students will also look at the knowledge that technologists need to know in order to work on ICT projects. There will be guest speakers come in to discuss their work and experience. The students will synthesise this learning into an external report.

Note: Students can only choose one of the following technology subjects: ICT, Multimaterials, Textiles and Food Technology.

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Achievement Standards/Unit Standards				
AS90613	Technology 3.1	Develop a conceptual design to address a client issue	Internal	8
AS90685	ICT 3.7	Demonstrate techniques in ICT	Internal	4
US5963		Design and assemble a multimedia computer application without scripting	Internal	3
NCEA External Achievement Standards				
AS90684	ICT 3.6	Explain knowledge that underpins an ICT outcome	External	4
Possible Credits Available			19 credits	

Course Prerequisites	10 credits in NCEA Level 2 ICT or at HOLA discretion
Fieldwork	On going visits to work with client
Approximate Course Costs	Coursebook \$15 Subject fees \$5
Course Leads to	Tertiary Study ICT related areas
Course Provider/Assessor	Botany Downs Secondary College
Teacher in charge of subject	Mrs E. Douglas
HOLA in charge of subject	Mr Achary

DRAMA

Course Code	13DRA
Qualification and level	NCEA Level Three
Target Group	Students working towards NCEA Level 3

Course Outline

This course is a progression from Year 12 Drama. The course provides an opportunity to use and explore the elements, conventions, techniques and technologies in specific dramatic forms. They will rehearse and perform works in a range of dramatic forms. Class work is a mixture of group and individual tasks, and it is important for students to work co-operatively in a group. The Arts curriculum presents Drama under the following strands - Developing practical knowledge in Drama, Developing ideas in Drama, Communicating and interpreting meaning in Drama and Understanding Drama in context. Please be aware that most Achievement Standards will be assessed during public evening performances. Students will be expected to attend at least two professional live theatre productions during the year.

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Achievement Standards				
AS90608	Drama 3.2	Interpret scripted text and integrate drama techniques in solo or paired performance	Internal	5
AS90609	Drama 3.3	Devise, script and perform drama for solo, duo or trio performance	Internal	5
AS90611	Drama 3.5	Research and carry out a performance or technical/production role in a significant production	Internal	6
NCEA External Achievement Standards				
AS90610	Drama 3.4	Demonstrate knowledge of a theatre form or period by analysing and interpreting two scripted texts	External	4
AS90612	Drama 3.6	Analyse drama processes in a new context and reflect critically on drama performance	External	4
Possible Credits Available			24 credits	

Course Prerequisites	14 credits in NCEA Level 2 Drama or HOD approval
Fieldwork	Students will be required to see at least two productions in preparation for the external exam - productions and costs to be advised.
Approximate Course Costs	Course Handbook and Fieldwork expenses - to be advised
Course Leads to	Tertiary Study
Course Provider/Assessor	Botany Downs Secondary College
Teacher in charge of subject	Mrs Luton
HOLA in charge of subject	Mrs Luton

EARLY CHILDHOOD EDUCATION

Course Code	13ECE
Qualification and level	NCEA Level 3
Target Group	Students studying towards NCEA Level 3

Course Outline

The MIT Certificate of Achievement in Early Childhood Education Level 3 is designed for Year 13 students. These units follow on from the Year 12 Certificate of Achievement in Early Childhood Education and continue to build students' knowledge and skills in the education and care of young children in early childhood education settings. This course aims to prepare students to advance into higher level early childhood education and care. The programme is made up of one compulsory Unit Standard and a choice of six options at Level 3 and 4. Students will need to complete at least 4 Unit Standards to achieve a minimum of 14 credits at Level 3. Schools may offer the Unit Standards individually or as a whole package. Students will need to have the opportunity to participate in an early childhood setting to meet the assessment requirements on this program.

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Unit Standards				
US10026		Demonstrate knowledge of child development	Internal	5
US20406		Describe the benefits of effective communication with parents, family and whanau	Internal	4
US10034		Develop knowledge of early childhood services	Internal	2
US10025		Demonstrate knowledge of protection for young children from abuse	Internal	2
US10032		Demonstrate knowledge of ethical behaviour in early childhood	Internal	3
AS90533		Discuss the influences of media messages on food choices	Internal	4
Possible Credits Available			No more than 20 credits	

Course Prerequisites	10 credits at Year 12ECE
Fieldwork	Visits to Early Childhood centres—MIT
Approximate Course Costs	\$20 course fees, travelling costs for trips
Course Leads to	ECE based tertiary courses
Course Provider/Assessor	MIT
Teacher in charge of subject	Mrs Rehu
HOLA in charge of subject	Mr Achary

ECONOMICS

Course Code	13ECO
Qualification and level	NCEA Level Three
Target Group	Students working towards NCEA Level 3

Course Outline

Level 3 Economics splits into two sections. It starts by building upon Level 2 Economics by looking at Aggregate Economics, often referred to as macroeconomics. This area investigates the whole economy, looking at GDP, Inflation, International trade and government policies associated with these issues. The course then moves into microeconomics. Students focus on the economics of individual markets and how the characteristics of and influences on these markets affect their ability to efficiently answer the central economic problem of scarcity.

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Achievement Standards				
AS90778	Economics 3.5	Collect and process information, and carry out an economic analysis	Internal	5
NCEA External Achievement Standards				
AS90629	Economics 3.1	Understand marginal analysis and the behaviour of firms	External	5
AS90630	Economics 3.2	Describe an economic problem, allocative efficiency, and market responses to change	External	4
AS90631	Economics 3.3	Describe market failure and government interventions to correct for market failure	External	4
AS90632	Economics 3.4	Describe aggregate economic activity	External	6
Possible Credits Available			24 credits	

Course Prerequisites 12 credits in NCEA Level 2 Economics or Head of Commerce approval

Fieldwork -

Approximate Course Costs Course Workbook - \$44 (2 Books)

Course Leads to Tertiary Study in commerce/business, marketing, construction economics (quantity surveying), forestry, farm management, journalism and teaching. Careers in manufacturing, transport, communications, banking, insurance, investment and retailing industries, as well as in government agencies, consulting and charitable organisations

Course Provider/Assessor Botany Downs Secondary College

Teacher in charge of subject Mr Sharma

HOLA in charge of subject Mr Andrew

ELECTRONICS

Course Code	13ELE
Qualification and level	NCEA Level Three and NCET Level Three
Target Group	Students intending to study electronics at tertiary level or gain employment in the electronics technology industry.

Course Outline

Electronics is the study and design of control, communication and computing devices that depend on electricity in circuits that contain different components. This course is for people who want to understand more about electronics or pursue a career in this field. Students will learn how to construct electronic circuits and use these to develop new products. They also learn how semi-conductor devices work, study the digital and analogue concepts and use these to understand and develop communication systems and investigate electronic product reliability. This course builds upon the knowledge and skills gained in the Level 2 course. It covers the function and use of additional electronic components and the construction of more advanced circuits. Analogue and digital electronics are covered in more detail as is the generation and transmission of electronic signals. Finally, programmable microcontrollers are studied in the context of mechatronics (smart machines). This course is now offering Achieved, Merit and Excellence grades.

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Unit Standards				
9221	-	Demonstrate knowledge of the development of an electronic product.	Internal	3
26119	-	Construct, and report on the performance of, a simple electronic programmable circuit.	Internal	4
26120	-	Describe and construct circuit to demonstrate the operation and properties of electronic devices.	Internal	3
26121	-	Plan, construct, modify and report on a electronic prototype.	Internal	6
26122	-	Demonstrate knowledge of and build circuits using digital electronic devices that interface with ADC and DAC functions.	Internal	3
26123	-	Demonstrate knowledge of applications of Logic Gattess.	Internal	3
Possible Credits Available			22 credits	

Course Prerequisites 14 credits in NCET Level 2 Electronics including US 18239 (circuit theory) and 12 Credits in Level 2 Mathematics (Achievement Standards) **OR** 10 or more credits in Year 12 Physics including Electricity (AS90257)

Fieldwork Workplace/tertiary provider visits as possible (TBA)

Approximate Course Costs Course Workbook - \$30; NCET \$15; Field Trip \$20

Course Leads to Tertiary study in electronics and electrical engineering

Course Provider/Assessor Botany Downs Secondary College

Teacher in charge of subject Mr Kumar

HOLA in charge of subject Mr Clay

ENGLISH U BAND

Course Code	13ENU
Qualification and level	NCEA Level Three
Target Group	Students intending tertiary study

Course Outline

English is optional at Year 13. This is an academic course and covers six Achievement Standards at Level 3, amounting to 21 credits. Study will be the study of literature with substantially more advanced resources (texts, film) than at Level 2. The course is designed for students who wish to study English at university. To achieve these aims we would like our students to: develop control over the processes associated with using and responding to language effectively and purposefully through: reading, writing, speaking, listening, viewing and presenting; develop an understanding of the structures and conventions of language and how language varies according to audience and purpose; respond personally to and think critically about a range of texts, including literary ones; use language skills to identify information needs and find, use and communicate information; understand and appreciate the cultural heritages of New Zealand through experiencing a broad range of texts written in English. Please note this course contains a substantial Shakespeare unit of work and achievement standard.

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Achievement Standards				
AS90720	English 3.1	Produce an extended piece of writing in a selected style	Internal	4
AS90725	English 3.6	Construct and deliver an oral presentation	Internal	4
AS90726	English 3.7	Complete independent research on a language or literature topic and present conclusions in writing.	Internal	4
NCEA External Achievement Standards				
AS90721	English 3.2	Respond critically to written text(s) studied	External	3
AS90722	English 3.3	Respond critically to Shakespearean drama studied	External	3
AS90723	English 3.4	Respond critically to oral or visual text studied	External	3
Possible Credits Available			21 credits	

Course Prerequisites	Level 2 English and to include passes in two external and two internal Achievement Standards at Level 2 and either AS90380 or US12419
Fieldwork	There may be attendance required at the occasional film and/or theatre performance.

Approximate Course Costs Working text: \$20, Film/theatre attendance \$15

Course Leads to Tertiary Study

Course Provider/Assessor Botany Downs Secondary College

Teacher in charge of subject Mrs Jacobsen

HOLA in charge of subject Ms Sturgess

ENGLISH R BAND

Course Code	13ENR
Qualification and level	NCEA Level Three
Target Group	Students wanting to complete Level 3 English

Course Outline

English is optional at Year 13. This is a Level 3 course and covers a range of Achievement Standards and Unit Standards at Level 3 offering a total of 20 credits. (14 credits Achievement Standard and 6 credits Unit Standards). This course is meant for students who do not wish to study English at tertiary level, but who would like Level 3 English for other tertiary study and need 18 credits at Level 3 in one subject. Study will be similar to that at Level 2 - the study of literature with substantially more advanced resources (texts, film). This option is a reading-based course.

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Achievement Standards/Unit Standards				
US8834	-	Select and read an inclusive range of written, oral and visual texts related to a theme	Internal	6
AS90725	English 3.6	Construct and deliver an oral presentation	Internal	4
AS90720	English 3.1	Produce an extended piece of writing in a selected style	Internal	4
NCEA External Achievement Standards				
AS90721	English 3.2	Respond critically to written text(s) studied	External	3
AS90723	English 3.4	Respond critically to oral or visual text studied	External	3
Possible Credits Available			20 credits	

Course Prerequisites	Level 2 English (4 reading and 4 writing credits) and two additional external achievement standards.
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Fieldwork There may be attendance required at the occasional film and/or theatre performance.

Approximate Course Costs Text/Workbook \$20 Theatre/film attendance \$15

Course Leads to Tertiary Study

Course Provider/Assessor Botany Downs Secondary College

Teacher in charge of subject Mrs Jacobsen

HOLA in charge of subject Mrs Sturgess

ENGLISH M BAND

Course Code 13ENM
Qualification and level Level 3 English
Target Group Year 13 Students who have just passed literacy at Level 2

Course Outline

This course is designed to meet the needs of students who have just got their level 2 literacy (4 reading and 4 writing credits) and who would like to concentrate on 14 internal Level 3 credits in English. This is a reading/writing/speaking based course. All three internals are closely linked: wide reading across texts will lead to writing responses and a written report based on findings. This will also be orally presented.

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Achievement Standards/Unit Standards				
AS90725	English 3.6	Construct and deliver an oral presentation	Internal	4
AS90726	English 3.7	Complete independent research on a language or literature topic and present conclusions in writing	Internal	4
US8835	-	Produce sustained transactional writing in a range of complex forms	Internal	6
Possible Credits Available			14 credits	

Course Prerequisites Level 2 English
Fieldwork Some theatre performances arranged at school
Approximate Course Costs Course Booklet
Course Leads to University Entrance
Course Provider/Assessor Botany Downs Secondary College
Teacher in charge of subject Mrs Jacobsen
HOLA in charge of subject Mrs Sturgess

ENGLISH C BAND (Level 2 at Yr 13)

Course Code 13ENC
Qualification and level NCEA Level Two
Target Group Year 13 Students needing Level 2 Literacy

Course Outline

English is optional at Year 13. This course is designed for Year 13 students still requiring University Entrance literacy. This is a reading and writing-based course, necessary for entry to university and covers major reading and writing Unit Standards at Level 2. Study will be based on the study of literature using a range of texts and writing transactional texts.

For students who already have achieved at Level 2 thematic reading, the Level 3 equivalent may be attempted, so for some students Level 3 English credits may be possible.

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Achievement Standards/Unit Standards				
US8823	-	Investigate a theme across an inclusive range of selected texts	Internal	4
US8825	-	Produce transactional written texts in complex forms	Internal	5
AS90725	English 3.6	Construct and deliver an oral presentation	Internal	4
Possible Credits Available			Level 2: 9 credits Level 3: 4 credits	

Course Prerequisites Level 1 English (literacy) and Level 2 course completed.
Fieldwork -
Approximate Course Costs Text/Workbook \$20 Theatre/film attendance \$15
Course Leads to University Entrance
Course Provider/Assessor Botany Downs Secondary College
Teacher in charge of subject Mrs Jacobsen
HOLA in charge of subject Mrs Sturgess

ENGLISH ESOL

Course Code	13ENS
Qualification and level	NCEA Level Two
Target Group	Students wishing to gain level 2 English Literacy credits

Course Outline

This course is a continuation of the Year 12ENS course, which is a two year programme. 13ENS continues to offer the opportunity to develop the four skills necessary for ESOL students (listening, speaking, reading and writing). It also concentrates on transactional texts and a language research into a specialised area of the students' choice (e.g. language of science, medicine, sport or any other). For students whose development needs a two-year period, this course continues for that length of time. To achieve these aims we would like our students to: develop control over the processes associated with using and responding to language effectively and purposefully through: reading, writing, speaking, listening, viewing and presenting; develop an understanding of the structures and conventions of language and how language varies according to audience and purpose; respond personally to and think critically about a range of texts, including literary ones; use language skills to identify information needs and find, use and communicate information; understand and appreciate the cultural heritages of New Zealand through experiencing a broad range of texts written in English.

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Achievement Standards/Unit Standards				
	English 2.5	Construct and deliver a crafted and controlled oral text	Internal	3
	English 2.8	Use information literacy skills to form developed conclusion(s)	Internal	4
	English 2.9	Form developed personal response to independently read texts, supported by evidence	Internal	4
	English 2.4	Produce a selection of crafted and controlled writing	Internal	6
US 15009	-	Understand spoken information in a range of contexts using ESOL – Level 3	Internal	5
NCEA External Achievement Standards				
	English 2.1	Analyse specified aspect(s) of studied written text(s), with supporting evidence	External	4
	English 2.2	Analyse specified aspect(s) of studied visual or oral text(s), with supporting evidence	External	4
Possible Credits Available over the two year period			25 Eng 8 ESOL	

Course Prerequisites	Literacy at Level 1 or at discretion of HOLA
Fieldwork	There may be attendance required at the occasional film and/or theatre performance.
Approximate Course Costs	Text/Workbook \$20 Theatre/film attendance \$15
Course Leads to	Tertiary Study
Course Provider/Assessor	Botany Downs Secondary College
Teacher in charge of subject	Mrs Irving
HOLA in charge of subject	Mrs Irving

FASHION & DESIGN TECHNOLOGY

Course Code	13FAD
Qualification and level	NCEA Level Three
Target Group	Students working towards NCEA Level 3

Course Outline

This course focuses on refining the creative and technical skills required to pursue a career in the fashion or textiles industries. It provides the opportunity for students to gain 20 credits at Level 3. Students will build a portfolio of work using a technological approach to develop innovative and creative problem solving skills (AS 90620, 90687). A key feature of the main project for Level 3 is to choose an authentic issue and client to work with. Depending on the student's personal interest, a client could be chosen with a need in a variety of areas within the textiles industry, such as; fashion, theatre, or interior design. The External Standards focus on studying how technological practice is undertaken by professionals within the industry. Students are encouraged to meet designers to gain an understanding of this process within the real world. Use of a wide range of practical skills is encouraged to reinforce and further develop their learning. Students who partake in this course will be preparing themselves for tertiary study in fashion, costume or interior design or to pursue a career in the textiles industry.

Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Achievement Standards				
AS90620	Technology 3.2	Develop a one-off solution to address a client issue	Internal	8
AS90687	Technology 3.7	Demonstrate techniques in materials technology	Internal	4
NCEA External Achievement Standards				
AS 90686	Technology 3.6	Explain knowledge that underpins a materials technology outcome	External	4
AS 90686	Technology 3.6	Explain knowledge that underpins a materials technology outcome	External	4
Credits Available			20 credits	

Course Prerequisites	12 credits in NCEA Level 2 Technology or 20 credits in Level 1 Technology
Fieldwork	Student may have on-going field work to confer with their chosen client. Visit from a variety of professionals in the area of fashion. Visit to clothing design and manufacturing company
Approximate Course Costs	\$30 to cover basic materials. Students are to supply their own fabric and pattern for garment production.
Course Leads to	Tertiary Study in Design and technology related studies
Course Provider/Assessor	Botany Downs Secondary College
Teacher in charge of subject	Ms Gast
HOLA in charge of subject	Mr Achary

FINANCIAL STUDIES

Course Code	13FIN
Qualification and level	NCEA Level Three
Target Group	Students working towards NCEA Level 3

Course Outline

The course aims to foster financial understanding, improve investor skills, and provide a format for designing a life strategy. It takes a more analytical approach than the Financial Literacy program and is expected to qualify for NCEA credits. Year 13 Finance covers such topics as investments, financial planning, student loans, external influences on investment decisions. Year 13 Finance is about personal financial management for the future where as Year 12 Financial Literacy is about personal financial management for the present.

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Unit Standards				
US24703	-	Demonstrate and apply knowledge for Credit for PFM	Internal	3
US24696	-	Demonstrate knowledge of personal income, credit, and the impact of employment decisions on them	Internal	5
US24708	-	Set a complex personal financial goal and plan its implementation	Internal	3
US7378	-	Analyse and interpret financial statements	Internal	3
US25247	-	Demonstrate knowledge of risk, return and diversification	Internal	3
US328	-	Identify requirements for a financial record system	Internal	3
Possible Credits Available			20 credits	

Course Prerequisites	65 credits at NCEA level 2 including 8 credits in Level 2 Maths. Students who do not meet the prerequisites may make an application for this course
Fieldwork	To be advised
Approximate Course Costs	\$25 TBC
Course Leads to	Further study in Finance, Business, Commerce programmes
Course Provider/Assessor	Botany Downs Secondary College
Teacher in charge of subject	Mr Sharma
HOLA in charge of subject	Mr Andrew

FOOD & HOSPITALITY

Course Code	13FAH
Qualification and level	NCEA Level Three
Target Group	Students working towards NCEA Level 3

Course Outline

This course is a continuation of Hospitality from Year 12 and incorporates further opportunity to develop skills in food and beverage service, catering and cookery at Levels 2 and 3. In conjunction with MIT and HSI, students will be introduced to the Art of Coffee Making and Food and Beverage Service incorporating hands-on experience in the food industry. Students will be expected to participate in at least one foods competition at secondary level this year in order to gain further experience in the hospitality industry. Links will be in place with tertiary institutions whereby assessments in a commercial kitchen will be carried out. There is also the expectation that students choosing to take this course will show a high level of commitment, energy and resourcefulness in order to complete the year's study. The course will comprise of 22 credits from the below list of Standards. You are not able to study Food Technology as well as Food and Hospitality.

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Unit Standards				
US17285	Food & Bev	Demonstrate knowledge of espresso coffee equipment and recipes (Level 2)	Internal	4
US17288	Food & Bev	Prepare and present espresso beverages for services (Level 3)	Internal	5
US14462	Food & Bev	Maintain personal presentation and greet customers in the hospitality industry (Level 2)	Internal	2
US17284	Food & Bev	Demonstrate knowledge of coffee origin and production	Internal	3
US168	Food Safety	Demonstrate knowledge of food contamination hazards and control methods used in a food business	Internal	4
US13343	Cookery	Demonstrate knowledge of basic nutrition in commercial catering	Internal	4
Possible Credits Available			22 credits	

Course Prerequisites	12 credits in NCEA Level 2 Technology / FAH or 20 credits in Level 1 Technology / FAH
Fieldwork	1-2 day field trip to Chats - MIT (Lunch) and visit to food industry or from food industry personnel
Approximate Course Costs	Course Handbook x 1 -\$40, Fieldwork expenses - \$30, Course Fees- \$150, Competition Fee \$25 (if student plans to enter) students may be requested to bring food items Uniform—\$60 (optional)
Course Leads to	Tertiary Study at MIT / AUT or other - Hospitality / Catering / Management / Modern Apprenticeship opportunity
Course Provider/Assessor	Botany Downs Secondary College
Teacher in charge of subject	Mrs Rehu / Mr Dammert
HOLA in charge of subject	Mr Achary

FOOD TECHNOLOGY

Course Code	13TEF
Qualification and level	NCEA Level Three
Target Group	Students working towards NCEA Level 3

Course Outline

This course is based on the Technology Curriculum and will be assessed against a four Technology Achievement Standards. It provides the opportunity for students to gain up to 20 credits at Level 3. There is no examination; however two Achievement Standards will be assessed through external marking. Students will use a technological approach to develop innovative and creative problem solving skills. Advanced practical skills in a wide range of materials are encouraged along with the learning of techniques and processes. A key feature of students practice will include choosing an authentic issue and a client to work with. Units of work may require students to: Develop a one-off technological solution in Food Technology to address a client issue; Describe technologists' responsibilities to the wider community; Explain knowledge that underpins a Food Technology outcome; Demonstrate techniques in Food Technology.

Standards for this course will be selected from those listed below and are at the discretion of the HOLA / HOD				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Achievement Standards				
AS90620	Technology 3.2	Develop a one-off solution to address a client issue	Internal	8
AS90683	Technology 3.5	Demonstrate techniques in food technology	Internal	4
NCEA External Achievement Standards				
AS90686	Technology 3.6	Explain knowledge that underpins a food technology outcome	External	4
AS90676	Technology 3.7	Describe technologists responsibilities to the wider community	External	4
Possible Credits Available			20 credits	

Course Prerequisites 12 credits in NCEA Level 2 Technology or 20 credits in Level 1 Technology

Fieldwork One day field trip to a local industry and an on-going visit to work with a chosen client.

Approximate Course Costs Fieldwork expenses - \$30, Course Fees—\$150, Competition Fee \$25 (if student plans to enter) students may be requested to bring food items if they choose ingredients outside the basic pantry list.

Course Leads to Tertiary Study in Technology studies— Technologist /Hospitality /Food Industry

Course Provider/Assessor Botany Downs Secondary College

Teacher in charge of subject Mrs Rehu

HOLA in charge of subject Mr Achary

FRENCH

Course Code	13FRE
Qualification and level	NCEA Level Three
Target Group	Year 13 students who wish to carry on French

Course Outline

This course consolidates students' confidence to express and exchange ideas to establish real communication in French. Students will gain the skills to understand authentic and up to date materials (magazines, movies, internet sites), to express opinions, to retell stories and events, to present facts and arguments to inform, persuade on a range of topics such as a French region of your choice, your future career, current environmental, cultural and social issues. Students will complete all internal assessments and will have a choice of 2 external assessments

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Achievement Standards				
AS90559	French 3.2	Give a prepared speech in French using complex language	Internal	3
AS90560	French 3.3	Engage in an extended conversation in French using complex language in less familiar contexts	Internal	3
AS90563	French 3.6	Produce crafted writing in French using complex language, with the support of resources	Internal	3
NCEA External Achievement Standards				
AS90558	French 3.1	Listen to and understand complex spoken French in less familiar contexts	External	6
AS90561	French 3.4	Read and understand written French containing complex language, in less familiar contexts	External	6
AS90562	French 3.5	Write text in French using complex language on a less familiar topic	External	3
Possible Credits Available			24 credits	

Course Prerequisites Student must sit all the standards and obtain at least 12 credits in NCEA Level 2 French. An interview might be required at the discretion of the TIC

Fieldwork Possible competitions: Alliance Francaise Speaking Competition. \$10

Approximate Course Costs Subject fees: \$10 Yearly subscription to Language Perfect website \$10

Course Leads to Tertiary Study

Course Provider/Assessor Botany Downs Secondary College

Teacher in charge of subject Mr Canniveng

HOLA in charge of subject Ms Lodge

GEOGRAPHY

Course Code	13GEO
Qualification and level	NCEA Level Three
Target Group	Students working towards NCEA Level 3

Course Outline

Geography is a practical study of our environment and the way people have changed it to meet their needs. Geographers try to understand what makes up the natural and cultural environment. As a geographer you will develop the ability to think about and synthesise material from a range of sources. The transferable skills developed in the study of Geography will be of significant benefit to students intending to study at University. The Year 13 course will cover the following key themes and settings: Natural Processes focused on the coastal environment of Muriwai Beach and Tourism Development focused on the New Zealand setting of Rotorua and an overseas setting of the Gold Coast. Year 13 Geographers will also complete studies about world patterns and processes as well as a study of an important contemporary geographic issue. Carrying out research within a local community will enable students to apply a range of practical skills.

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Achievement Standards				
AS90705	Geography 3.5	Carry out and present geographic research with consultation	Internal	3
AS90706	Geography 3.6	Analyse a contemporary geographic issue and evaluate courses of action	Internal	3
AS90707	Geography 3.7	Analyse a geographic topic at a global scale	Internal	3
NCEA External Achievement Standards				
AS90701	Geography 3.1	Analyse natural processes in the context of a geographic environment	External	4
AS90702	Geography 3.2	Analyse a cultural process	External	4
AS90704	Geography 3.4	Select and apply skills in a geographic context	External	4
Possible Credits Available			21 credits	

Course Prerequisites 12 credits in NCEA Level 2 Geography, Level 2 English (Achievement Standards) or Level 2 History

Fieldwork One day field trip to Muriwai Beach and a three day fieldtrip to Rotorua

Approximate Course Costs Fieldwork expenses - \$340 (Rotorua), \$30 (Muriwai) estimated costs

Course Leads to Tertiary Study

Course Provider/Assessor Botany Downs Secondary College

Teacher in charge of subject Ms Brodie

HOLA in charge of subject Mr Andrew

HEALTH EDUCATION

Course Code	13HED
Qualification and level	NCEA Level Three
Target Group	Students working towards NCEA Level 3

Course Outline

Health Education at Level 3 level builds on the knowledge that students have gained from Level 2. This course shifts away from personal and interpersonal issues that previous courses have focused on and takes a look at the many societal issues affecting our wellbeing. During this course students will analyse a health issue that is current in New Zealand's society as well as analysing a current international health issue. Students will also examine a contemporary dilemma and/or ethical issue in relation to well-being and as well as examining models of health promotion and their implications for well-being. The course will be made up from the standards below and will be co constructed with the students at the beginning of the year.

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Achievement Standards				
AS90708	Health Ed 3.1	Analyse a health issue for a particular group within New Zealand Society	Internal	5
AS90710	Health Ed 3.3	Explain a range of health practices currently used in New Zealand	Internal	5
NCEA External Achievement Standards				
AS90709	Health Ed 3.2	Analyse an international health issue	External	5
AS90711	Health Ed 3.4	Explain a contemporary dilemma or ethical issue in relation to well-being	External	4
AS90712	Health Ed 3.5	Examine models of health promotion and their implications for wellbeing	External	5
Possible Credits Available			24 credits	

Course Prerequisites 10 credits in NCEA Level 2 Health Education—5 credits from 2.1 (external exam) HOLA approval

Fieldwork -

Approximate Course Costs Course Workbooks - \$15

Course Leads to Tertiary Study in the Health Sector.

Course Provider/Assessor Botany Downs Secondary College

Teacher in charge of subject Ms C Joyce (JE)

Acting HOLA in charge of subject Miss S Joyce (JY)

HISTORY

Course Code	13HIS
Qualification and level	NCEA Level Three
Target Group	Students working towards NCEA Level 3

Course Outline

Level 3 History is the culmination of the course providing a transition to tertiary studies. It contains a compulsory area of study which covers an extended period of time and demands a higher level of thinking. Through this study students will develop skills in research, interpretation, evaluation, historical empathy and analysis. There is a shift in emphasis towards a consideration of historical method, and historiography – what is involved in the craft of the historian. Students are expected to argue a convincing case in answer to searching historical questions. By the end of the course students will have studied in depth some key historical developments of yesterday's world which will contribute to understanding their society. At Level 3 the students will either study 'England 1558 to 1667' or 'New Zealand in the Nineteenth Century'.

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Achievement Standards				
AS90654	History 3.1	Plan and carry out independent historical research	Internal	4
AS90655	History 3.2	Communicate and present historical ideas clearly to show understanding of an historical context	Internal	5
NCEA External Achievement Standards				
AS90656	History 3.3	Analyse and evaluate evidence in historical sources	External	5
AS90657	History 3.4	Examine a significant decision made by people in history, in an essay	External	5
AS90658	History 3.5	Examine a significant historical situation in the context of change, in an essay	External	5
Possible Credits Available			24 credits	

Course Prerequisites 12 credits in NCEA Level 2 Achievement Standards History, Classical Studies or English (including at least one of AS90469, AS90470, AS90375, AS90376, or AS90249)

Fieldwork Field trip to Auckland Museum as part of AS90654 and AS90655

Approximate Course Costs \$69 Course Booklets + trip costs \$180 tbc (incl University)

Course Leads to Tertiary Study in History or any University research based course

Course Provider/Assessor Botany Downs Secondary College

Teacher in charge of subject Miss K Douglas

HOLA in charge of subject Mr Andrew

JAPANESE

Course Code	13JAP
Qualification and level	NCEA Level Three
Target Group	Students working towards NCEA Level 3

Course Outline

How many languages you know - that many times you are a person. (Pavlo Tychyna, Ukrainian proverb)
A practical course that looks at language survival skills and developing fluency in the language so that the students can visit Japan independently in the future if they desire. Topics in focus include: Shopping and Eating Out, Planning a Trip and Travelling in Japan. Year 13 students will also complete a unit on Future Plans and Work which looks at careers where they can use their Japanese. At Year 13, students also have the option of also attempting the Writing with Resources Achievement Standard. This is at the discretion of the teacher.

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Achievement Standards				
AS90571	Japanese 3.2	Give a prepared spoken presentation in Japanese on a less familiar topic	Internal	3
AS90572	Japanese 3.3	Converse in Japanese in a less familiar context	Internal	3
AS90575	Japanese 3.6	Produce crafted writing in Japanese using complex language, with the support of resources	Internal	3
NCEA External Achievement Standards				
AS90570	Japanese 3.1	Listen to and understand spoken language in Japanese in less familiar contexts	External	6
AS90573	Japanese 3.4	Read and understand written language in Japanese in less familiar contexts	External	6
AS90574	Japanese 3.5	Write text in Japanese on a less familiar topic	External	3
Possible Credits Available			24credits	

Course Prerequisites 12 credits in NCEA Level 2 Japanese including standard 90487 (Reading)

Fieldwork Possible competitions: JETAA DVD Competition, Japanese Inter-School Debating Competition

Approximate Course Costs Subject fee ~ \$10; Subscription to Language Perfect \$10; Write on Notes ~ \$35

Course Leads to Tertiary Study

Course Provider/Assessor Botany Downs Secondary College

Teacher in charge of subject Ms Lodge

HOLA in charge of subject Ms Lodge

MULTI MATERIALS TECHNOLOGY

Course Code	13TEM
Qualification and level	NCEA Level Three
Target Group	Students working towards NCEA Level 3

Course Outline

This course is based on the Technology Curriculum and will be assessed against a four Technology Achievement Standards. It provides the opportunity for students to gain up to 20 credits at Level 3. There is no examination; however two Achievement Standards will be assessed through external marking. Students will use a technological approach to develop innovative and creative problem solving skills. Advanced practical skills in a wide range of materials are encouraged along with the learning of techniques and processes. A key feature of students practice will include choosing an authentic issue and a client to work with. Units of work may require students to: Develop a one-off technological solution in Materials Technology to address a client issue; Describe technologists' responsibilities to the wider community; Explain knowledge that underpins a materials technology outcome; Demonstrate techniques in Materials technology.

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Achievement Standards				
AS90620	Technology 3.2	Develop a one-off solution to address a client issue	Internal	8
AS90687	Technology 3.7	Demonstrate techniques in materials technology	Internal	4
NCEA External Achievement Standards				
AS90676	Technology 3.4	Describe technologists' responsibilities to the wider community	External	4
AS90686	Technology 3.6	Explain knowledge that underpins a materials technology outcome	External	4
Possible Credits Available			20 credits	

Course Prerequisites 10 credits in NCEA Level 2 Multi-Materials Technology including AS 90350 or 20 credits in Level 1 Multi-Materials Technology

Fieldwork One day field trip to a local industry and an on-going visit to work with a chosen client

Approximate Course Costs \$60

Course Leads to Tertiary Study in Technology related studies

Course Provider/Assessor Botany Downs Secondary College

Teacher in charge of subject Mr Achary

HOLA in charge of subject Mr Achary

MEDIA STUDIES

Course Code	13MED
Qualification and level	NCEA Level Three
Target Group	Students wishing to enter the media industry.

Course Outline

Level 3 Media Studies is an extension of the level 2 course. Students will develop their skills of media analysis and focus on close reading of current affairs, research, genre study and the media industry. The practical component of the course will cover a major documentary production using a range of technologies. It is mandatory that students have successfully completed Media Studies at Level 2.

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Achievement Standards				
AS90600	Media Studies 3.2	Explain how meaning is created in media texts	Internal	4
AS90604	Media Studies 3.6	Complete and justify a concept and treatment for a media product	Internal	2
AS90606	Media Studies 3.8	Create a media product using appropriate media technology	Internal	6
AS90779	Media Studies 3.3	Investigate an aspect of media and explain its significance for New Zealand	Internal	4
NCEA External Achievement Standards				
AS90599	Media Studies 3.1	Demonstrate understanding of a specific media industry	External	4
AS90602	Media Studies 3.4	Explain the relationship between a media genre and society	External	4
Possible Credits Available			24 credits	

Course Prerequisites 14 Credits at Level 2 Media Studies (including one external Achievement Standard in Media studies) or at TIC discretion.

Fieldwork Field trip to either a media industry, tertiary institution or a film viewing

Approximate Course Costs Nil

Course Leads to Tertiary Study

Course Provider/Assessor Botany Downs Secondary College

Teacher in charge of subject Mrs Johnson

HOLA in charge of subject Mrs Sturgess

MUSIC STUDIES

Course Code	13MUS
Qualification and level	NCEA Level Three
Target Group	Students working towards NCEA Level 3

Course Outline

The Year 13 Music Studies course shares the aim of the New Zealand Arts Curriculum which wants students to develop literacy in Music. Literacy in music involves the development of knowledge and skills relating to styles, genres, technologies, and musical structures. It implies an active appreciation of the conventions and contexts that relate to creating and to critically evaluating musical compositions and performances. As students listen to music, they develop understandings about music history, biography, and theory and enhance their understandings of the world through listening to music from diverse musical contexts. This course focuses on the analysis of music, understanding the way a composition is structured and understanding the background or context of musical works. It also gives students the opportunity to research an area or topic of music of their own choosing.

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Achievement Standards				
AS90497	Music 3.2	Examine the contexts which influence the expressive qualities of music	Internal	3
AS90499	Music 3.4	Research and present a music topic	Internal	6
AS90527	Music 3.6	Arrange Music	Internal	4
NCEA External Achievement Standards				
AS90498	Music 3.3	Compare and contrast music works	External	8
AS90530	Music 3.5	Demonstrate an understanding of harmonic and tonal procedures in a range of music	External	3
Possible Credits Available			24 credits	

Course Prerequisites 10 credits in NCEA Level 2 Music or at the discretion of HOLA. The ability to read music is essential is those who intend to do NCEA Level 3 Music Studies

Fieldwork Attendance at concerts which relate to and support the student's focus of study

Approximate Course Costs Performances \$30

Course Leads to Tertiary Study in Music and Performing Arts Courses

Course Provider/Assessor Botany Downs Secondary College

Teacher in charge of subject Ms Treneman

HOLA in charge of subject Ms Treneman

OUTDOOR EDUCATION

Course Code	13OED
Qualification and level	NCEA Level Three
Target Group	Students working towards NCEA Level 3

Course Outline

Outdoor Education provides students with opportunities to develop personal and social skills, to become active, safe and skilled in the outdoors, and to protect and care for the environment. Outdoor Education includes adventure activities and outdoor pursuits. Adventure activities foster students' personal and social development through experiences involving co-operation, trust, problem solving, decision making, goal setting, communication, leadership, responsibility and reflection. Through outdoor pursuits, students develop particular skills and attitudes in a range of outdoor settings. Outdoor pursuits will include a selection of whitewater kayaking, tramping, camping, bush survival, navigation, caving. This course involves a number of days out in the practical environment. Students must be aware that some of the camps and assessments will take place during after school hours and weekends. Students undertaking this course will need to catch up on other school work they miss and need to understand if this is not done they will not be able to attend out of school days. In 2011 this involved approximately 13 days of outdoor activities. Please note that a separate application form needs to be completed and approval is at the discretion of the Teacher i/c. These can be obtained from Miss S Joyce (JY).

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Unit Standards				
US424	-	Respond to emergency care situation for an outdoor activity	Internal	5
US427	-	Cross Rivers	Internal	2
US428	-	Demonstrate on-track tramping skills for multi-night tramping	Internal	14
US430	-	Demonstrate bush survival skills	Internal	3
US20121	-	Demonstrate Kayaking skills on Grade 2 water (Level 2)	Internal	4
Possible Credits Available			24 credits	

Course Prerequisites Applications forms can be obtained from and are subject to TIC approval. Some of the unit standards assessed in Level 3 OED have prerequisites that are assessed in Level 2 OED

Fieldwork Many offsite sessions including a white-water kayaking trip, tramping trips, a mountain trip, and a number of day excursions. Some weekend days will be used.

Approximate Course Costs Approx \$800. (Real cost is around \$2000 but Star Funding supplements much of this cost. This is subject to receiving similar Star Funding that was given in 2011)

Course Leads to Tertiary courses in Outdoor Recreation. Outdoor education instruction

Course Provider/Assessor Botany Downs Secondary College, Outdoor Providers - Big Foot Adventures

Teacher in charge of subject Ms S Joyce (JY)

Acting HOLA in charge of subject Ms S Joyce (JY)

PHOTOGRAPHY

Course Code	13PHO
Qualification and level	NCEA Level Three
Target Group	Students working towards NCEA Level 3

Course Outline

Students will continue studying Digital Photography and its many uses in today and tomorrow's technological world. Year 13 Photography builds on the Year 12 Photography work but requires a greater depth of analysis and justification of photographic methods. Presentation is also expected to be of a much higher standard. Using Photoshop, understanding file systems, setting up a studio with lights, planning, taking and creating digitised images are some of the practical skills that will be enhanced during this course. Extra curricula involvement in the school's "Student Photography Team" may result in student's images appearing in school newsletters and magazine. There is no external examination, students will complete 2 projects throughout the year contributing to the required Standards. It is expected that students have their own good quality digital camera (at least 7MP and preferably with manual features or numerous scene modes) and own a storage device to transfer files to and from home (1 or 2 GB USB recommended).

Students who do *extremely well* in Year 12 Art can apply to the HOLA or TIC to do Year 13 Photography.
Note: this is an artistic subject. Students must be creative. Students must be ICT literate and be confident with using a computer.

Note: Students can take a maximum of two subjects from Visual Art, Photography and Design at Year 13

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Achievement Standards				
AS90664	Visual Arts 3.2 Photography	Investigate and use ideas and methods in the context of a drawing study in photography	Internal	6
NCEA External Achievement Standards				
AS90668	Visual Arts 3.3 Photography	Produce original work within photography to show extensive knowledge of art-making methods and ideas	External	14
Possible Credits Available			20 credits	

Course Prerequisites	16 credits in Year 12 Photography or Year 12 Visual Art (HOLA discretion applies)
Fieldwork	Possible visit to an Exhibition
Approximate Course Costs	\$50
Course Leads to	Tertiary Study
Course Provider/Assessor	Botany Downs Secondary College
Teacher in charge of subject	Ms Clapperton
HOLA in charge of subject	Ms Clapperton

PHYSICAL EDUCATION

Course Code	13PED
Qualification and level	NCEA Level Three
Target Group	Students working towards NCEA Level 3 and Scholarship

Course Outline

Physical education promotes learning in, through and about movement. The year 13 course at Level 3 requires a more in depth study of how the body works and how to train it. This theory is applied to the practical situation. The contexts in the practical will vary but will include a selection of the following - Scuba Diving (optional), Golf, and personal fitness training programmes which you could choose to train for a duathlon, aquathlon, 10km run or half marathon. The optional course for scuba diving will use some out of school time. For AS90742 your best mark from scuba or personal fitness training programme or golf will count. For the more academically able students can sit the National Scholarship Examination.

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Achievement Standards/Unit Standards				
AS90739	Physical Ed 3.1	Apply knowledge to plan a physical activity programme or experience	Internal	3
AS90740	Physical Ed 3.2	Explain, with evidence, the effectiveness of a physical activity programme and its influence on hauora/wellbeing	Internal	3
AS90741	Physical Ed 3.3	Appraise performance and review a programme for performance improvement for self and others	Internal	5
AS90742	Physical Ed 3.4	Perform a physical activity to nationally developed performance standards	Internal	4
AS90743	Physical Ed 3.5	Examine a current physical activity event or issue impacting on New Zealand society	Internal	4
AS90744	Physical Ed 3.6	Examine a current physical activity and take action to influence the participation of others	Internal	5
US4383	-	Snorkel dive with safety (Level 2)	Internal	2
US4384	-	Scuba dive and perform rescues in open water to a maximum of 18 metres (Level 3)	Internal	7
Possible Credits Available			24-33 credits	

Course Prerequisites	11 credits in the Achievement Standards from NCEA Level 2 Physical Education must include AS90432 or HOLA approval.
Fieldwork	Scuba course and camp, off site fitness training, golf offsite.
Approximate Course Costs	Course Workbooks - \$17 , Scuba Diving expenses for those who choose to do Scuba Diving License - approx \$450 (optional) Golf costs approx \$174
Course Leads to	Tertiary Study
Course Provider/Assessor	Botany Downs Secondary College
Teacher in charge of subject	Mrs Rennes
Acting HOLA in charge of subject	Ms S Joyce (JY)

PHYSICS

Course Code	13PHY
Qualification and level	NCEA Level Three
Target Group	Students working towards tertiary physics or sciences or other related fields, e.g. engineering, medicine, architecture, optometry, computer science, sport and exercise science, electronics, physiology, telecommunications, etc.

Course Outline

Physics is the study of matter, energy and forces. In physics at this level students develop understanding of physics concepts and principles and their applications. Practical investigations are a vital part of the course and contribute to the internal assessment towards NCEA Level 3 (AS90774). Outstanding students may choose to sit the Physics Scholarship exam at the end of the course. Students are required to carry out calculations using formulae and describe and explain physics concepts. Topics: 1. Experimental Physics; 2. Mechanics (translational, rotational and simple harmonic motion); 3. Waves; 4. Direct Current Electricity and Capacitance; 5. Electromagnetic Induction; 6. Alternating Current; 7. Atoms, Photons and Nuclei. AS P3.5 is optional. Students can choose whether to do this standard or not.

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Achievement Standards				
AS90774	Physics 3.1	Carry out a practical physics investigation with guidance, that leads to a mathematical relationship	Internal	5
NCEA External Achievement Standards				
AS90520	Physics 3.3	Demonstrate understanding of wave systems	External	4
AS90521	Physics 3.4	Demonstrate understanding of mechanical systems	External	6
AS90522	Physics 3.5	Demonstrate understanding of atoms, photons and nuclei	External	4
AS90523	Physics 3.6	Demonstrate understanding of electrical systems	External	5
Possible Credits Available			24 credits	

Course Prerequisites	14 credits in NCEA Level 2 Physics including AS 90255 (Mechanics) and 12 Credits in Level 2 Mathematics (Achievement Standards) Students that do not meet the above prerequisites but who still wish to study Physics/ at NCEA Level 3 can enter into a modified Y13 course. Entry into this course will require the HOD's endorsement.
Fieldwork	There may be opportunities for careers-oriented visits and/or opportunities to explore real-work physics, e.g. amusement park physics (to be confirmed)
Approximate Course Costs	Fieldwork expenses - \$30-\$40 (to be confirmed)
Course Leads to	Tertiary Study in Physics or related fields (see Target Group above).
Course Provider/Assessor	Botany Downs Secondary College
Teacher in charge of subject	Mr Kumar
HOLA in charge of subject	Mr. Clay

PRACTICAL MUSIC

Course Code	13MUP
Qualification and level	NCEA Level Three
Target Group	Students working towards NCEA Level 3

Course Outline

The Year 13 Practical Music course shares the aim of the New Zealand Arts Curriculum which wants students to develop literacy in Music. Literacy in Music involves the development of knowledge and skills relating to styles, genres, technologies, and musical structures. This course focuses on the composition and performance of music. While composing and performing, students are actively listening and developing aural sensitivity. The students will be given the opportunity to present performances as both a featured soloist and as a member of a group and compose a variety of pieces of music which demonstrate a range of technical and creative skills. This course will suit the student who enjoys performing and composing music. Students must play an instrument and should be learning either through the Itinerant music scheme or privately.

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Achievement Standards				
AS90526	Music 3.1	Present a performance of a programme of music as a member of a group	Internal	4
AS90775	Music 3.6	Present a portfolio of musical composition	Internal	8
AS90776	Music 3.7	Prepare and present performances of music as a featured soloist	Internal	8
NCEA External Achievement Standards				
AS90777	Music 3.8	Demonstrate aural skill across a range of musical styles and genres	External	4
Possible Credits Available			24 credits	

Course Prerequisites	10 credits in NCEA Level 2 Music or at the discretion of HOLA. The ability to read music and play an instrument is essential for those who intend to do NCEA Level 3 Practical Music
Fieldwork	Attendance at concerts which relate and support the student's focus of study. Possible attendance at composition workshop
Approximate Course Costs	Accompanist for solo performances \$100 (approximate and optional)
Course Leads to	Tertiary Study in Music and Performing Arts Courses
Course Provider/Assessor	Botany Downs Secondary College
Teacher in charge of subject	Ms Treneman
HOLA in charge of subject	Ms Treneman

SCIENCE

Course Code	13SCI
Qualification and level	NCEA Level Three
Target Group	Students wishing to explore science as part of a more general, yet equally demanding, course to keep interest in science so that they may consider further studies at tertiary level.

Course Outline

This course is as demanding as other single science option. This general science course aims to develop scientific understanding that is important for informed citizens. Students taking this course will develop their scientific literacy through investigations, research and understanding important applications of science. These applications include genetic technologies, geology of volcanoes and earthquakes, organic chemistry and applications of waves and radiation in society. In addition, students will also be challenged to explore their and others' views on a range of controversial issues in science. A contemporary astronomical event will also be researched.

Standards for this course will be all those listed below.				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Achievement Standards				
AS90727	Science 3.1	Carry out a practical scientific investigation with guidance	Internal	4
AS90728	Science 3.2	Research a current scientific controversy	Internal	4
AS90733	Science 3.7	Report on a recent astronomical event or discovery	Internal	2
NCEA External Achievement Standards				
AS90729	Science 3.3	Describe genetic processes	External	4
AS90730	Science 3.4	Describe selected organic compounds and their uses	External	4
AS90731	Science 3.5	Describe geological processes affecting New Zealand	External	2
AS90732	Science 3.6	Describe selected properties and applications of EMR, radioactive decay, sound and ultrasound	External	4
Possible Credits Available			24 credits	

Course Prerequisites 12 credits in NCEA Level 2 Sciences (two of the external papers from Year 12 should have been achieved) **and** 12 credits in Level 2 Mathematics (Achievement Standards).

Students that do not meet the above prerequisites but who still wish to study Science at NCEA Level 3 will require the HOD's endorsement.

Fieldwork To be confirmed

Approximate Course Costs To be confirmed

Course Leads to Tertiary Study in Physics or related fields

Course Provider/Assessor Botany Downs Secondary College

Teacher in charge of subject Mr Henty

HOLA in charge of subject Mr Clay

SPORTS LEADERSHIP

Course Code	13SPL
Qualification and level	NCEA Level 3
Target Group	Year 13 students with sport and leadership aspira-

Course Outline

This course is linked with MIT (Manukau Institute of Technology). Students that achieve * units will also be eligible to receive the MIT Certificate of Achievement in Sport Leadership (Level 3). This programme provides an exciting opportunity for students to experience the tertiary education environment while still at school. This course enables students to develop a teaching/coaching philosophy and sport leadership style and apply them to a practical environment. Students will gain an understanding of fundamental skills and motor learning principles. They will undertake sport leadership opportunities and have the opportunity to develop effective delivery skills in the practical sport environment.

Students selecting this course are required to contribute to the wider school sport programme in one of the following ways:

- Whanau sports council, refereeing inter-whanau competitions or coaching a junior school team

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Unit Standards				
US 22771	-	Plan beginner level coaching session for sport participants	Internal	4
US 22768	-	Conduct and review a beginner level coaching session	Internal	6
US 7021	-	Exercise Prescription—Demonstrate Exercise Techniques	Internal	8
US 20807	-	Delivering Sports Skills—Teach to develop a fundamental skill of a selected sport	Internal	3
US 21414	-	Event Management—Plan & lead a recreational activity	Internal	4
Possible Credits Available			25 credits	

Course Prerequisites Subject to TIC & HOLA approval

Fieldwork Point View Primary School. MIT Day trip.

Approximate Course Costs Course Handbook and Workbooks - \$28, Day trip to MIT \$20

Course Leads to Tertiary study

Course Provider/Assessor Botany Downs Secondary College

Teacher in charge of subject Mr Jones

Acting HOLA in charge of subject Ms S Joyce (JY)

STATISTICS & MODELLING

Course Code	13MAS
Qualification and level	NCEA Level Three
Target Group	Students working towards NCEA Level 3

Course Outline

This NCEA Level 3 course will assess all seven Statistics and Modelling Level 3 Achievement Standards giving a total of 24 credits. The aims of this course is to extend students' abilities to tackle modelling and problem-solving situations, to provide a first course on probability procedures based on the normal, binomial and Poisson distributions and to develop students' awareness of the usefulness and wide range of applications of statistics.

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Achievement Standards				
AS90641	Mathematics 3.1	Determine the trend for time series data	Internal	3
AS90645	Mathematics 3.5	Complete a statistical investigation involving bivariate data	Internal	3
AS90647	Mathematics 3.7	Use mathematical models involving curve fitting to solve problems	Internal	3
NCEA External Achievement Standards				
AS90642	Mathematics 3.2	Calculate confidence intervals for population parameters	External	3
AS90643	Mathematics 3.3	Solve straightforward problems involving probability	External	4
AS90644	Mathematics 3.4	Solve equations	External	4
AS90646	Mathematics 3.6	Use probability distribution models to solve straightforward problems	External	4
Possible Credits Available			24 credits	

Course Prerequisites Minimum of 14 credits at level two Mathematics obtained from AS90289-Simulate probability and apply the normal distribution, AS90288-Statistics (AS90193-Statistics), AS90284-Algebra and AS90285-Non-Linear Graph. This must include a merit or higher in AS90289 as well as a merit or higher in one of AS90288 (AS90193), AS90284 or AS90285.

Fieldwork -

Approximate Course Costs Sigma Mathematics Workbook-\$33 , Course Handbook \$10, FX9750GII Casio Graphic calculator -approximately \$120 is compulsory
Scholarship workbook : approximately \$25

Course Leads to This course will lead to University courses in biological sciences, statistics, commerce and any fields where data collection and analysis are important.

Course Provider/Assessor Botany Downs Secondary College

Teacher in charge of subject Ms Bennet

HOLA in charge of subject Ms Bennet

STATISTICS & MODELLING ALTERNATIVE

Course Code	13MSA
Qualification and level	NCEA Level Three
Target Group	Students working towards NCEA Level 3

Course Outline

This NCEA Level 3 course will assess six Statistics and Modelling Level 3 Achievement Standards giving a total of 20 credits. The aims of this course is to extend students' abilities to tackle modelling and problem-solving situations, to provide a first course on probability procedures based on the normal, binomial and Poisson distributions and to develop students' awareness of the usefulness and wide range of applications of statistics.

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Achievement Standards				
AS90641	Mathematics 3.1	Determine the trend for time series data	Internal	3
AS90645	Mathematics 3.5	Complete a statistical investigation involving bivariate data	Internal	3
AS90647	Mathematics 3.7	Use mathematical models involving curve fitting to solve problems	Internal	3
NCEA External Achievement Standards				
AS90642	Mathematics 3.2	Calculate confidence intervals for population parameters	External	3
AS90643	Mathematics 3.3	Solve straightforward problems involving probability	External	4
AS90646	Mathematics 3.6	Use probability distribution models to solve straightforward problems	External	4
Possible Credits Available			20 credits	

Course Prerequisites Minimum of 12 credits at level two Mathematics(3 credits can be from AS90193) including AS90289-Simulate probability and apply the normal distribution, AS90288-Statistics (or AS90193-Statistics), AS90284-Algebra and AS90285-Non-Linear Graphs

Fieldwork

Approximate Course Costs Sigma Mathematics Workbook-\$33, Course Handbook \$10, FX9750GII Casio Graphic calculator -approximately \$120 is compulsory

Course Leads to This course will lead to University courses in biological sciences, statistics, commerce and any fields where data collection and analysis are important.

Course Provider/Assessor Botany Downs Secondary College

Teacher in charge of subject Ms Bennet

HOLA in charge of subject Ms Bennet

TRAVEL & TOURISM

Course Code	13TSM
Qualification and level	NCEA Level Three
Target Group	Vocational students at Year 13 level

Course Outline

Year 13 Travel and Tourism is a vocational subject, students achieve unit standards which allow them to work towards study at tertiary level. Travel and Tourism is New Zealand's fastest growing industry, the school recognises this fact and the Level 3 course provides interested students with a foot in the door. In this course students will examine the New Zealand Tourism industry and aspects of regional tourism. Students will identify tourist destinations, key geographical features, attractions and activities in Australia. They will describe travel information that would assist tourists visiting Australia. Students will identify tourist destinations, key geographical features, attractions and activities in the Pacific Islands. They will describe travel information that would assist tourists visiting Pacific Islands. Those students who have achieved their credits in Tourism at Level 2 may complete the National Certificate in Tourism (Introductory Skills).

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Unit Standards				
US18211	-	Demonstrate knowledge of Australia as a tourist destination	Internal	8
US3727	-	Demonstrate knowledge of the Pacific Islands as a tourist destination	Internal	8
US18228	-	Provide information about specific regions in New Zealand as tourist destinations	Internal	8
Possible Credits Available			24 credits	

Course Prerequisites 60 credits at level 2 - 8 in English (4 reading/4 writing). Students who do not meet the prerequisites may make an application for this course.

Fieldwork Field trip to be advised

Approximate Course Costs \$60

Course Leads to Tertiary Study in Travel and Tourism Programmes

Course Provider/Assessor Botany Downs Secondary College, Travel Careers & Training

Teacher in charge of subject Ms Hartnett

HOLA in charge of subject Mr Andrew

VISUAL ART

Course Code	13ART
Qualification and level	NCEA Level Three
Target Group	Students working towards NCEA Level 3

Course Outline

Students will choose either Printmaking or Painting for their studies. They will engage in an in-depth study of either of these two disciplines. The course allows each student to follow an individual pathway in order to produce original work. To meet the requirements of the standards, students need to extend their knowledge of art making methods and ideas within their chosen field. Self, peer, collaborative and teacher assessment will be part of the learning process.

Note: Students can take a maximum of two subjects from Visual Art, Photography and Design at Year 13

Standards for this course will be selected from those listed below and are at the discretion of the HOLA				
Number	Subject Reference	Title	Int/Ext	Credits
NCEA Internal Achievement Standards				
AS90659	Visual Art 3.1	Research and analyse approaches within established painting practice	Internal	4
Or AS90661		Research and analyse approaches within established printmaking practice		
AS90663	Visual Art 3.2	Investigate and use ideas and methods in the context of a drawing study in painting	Internal	6
Or AS90665		Investigate and use ideas and methods in the context of a drawing study in printmaking		
NCEA External Achievement Standards				
AS90667	Visual Art 3.3	Produce original work within Painting to show extensive knowledge of art making methods and ideas	External	14
Or AS90669		Produce original work within Printmaking to show extensive knowledge of art making methods and ideas		
Possible Credits Available			24 credits	

Course Prerequisites 12 credits in NCEA Level 2 Visual Art

Fieldwork -

Approximate Course Costs -

Course Leads to Tertiary Study in Fine Arts

Course Provider/Assessor Botany Downs Secondary College

Teacher in charge of subject Mr Clark

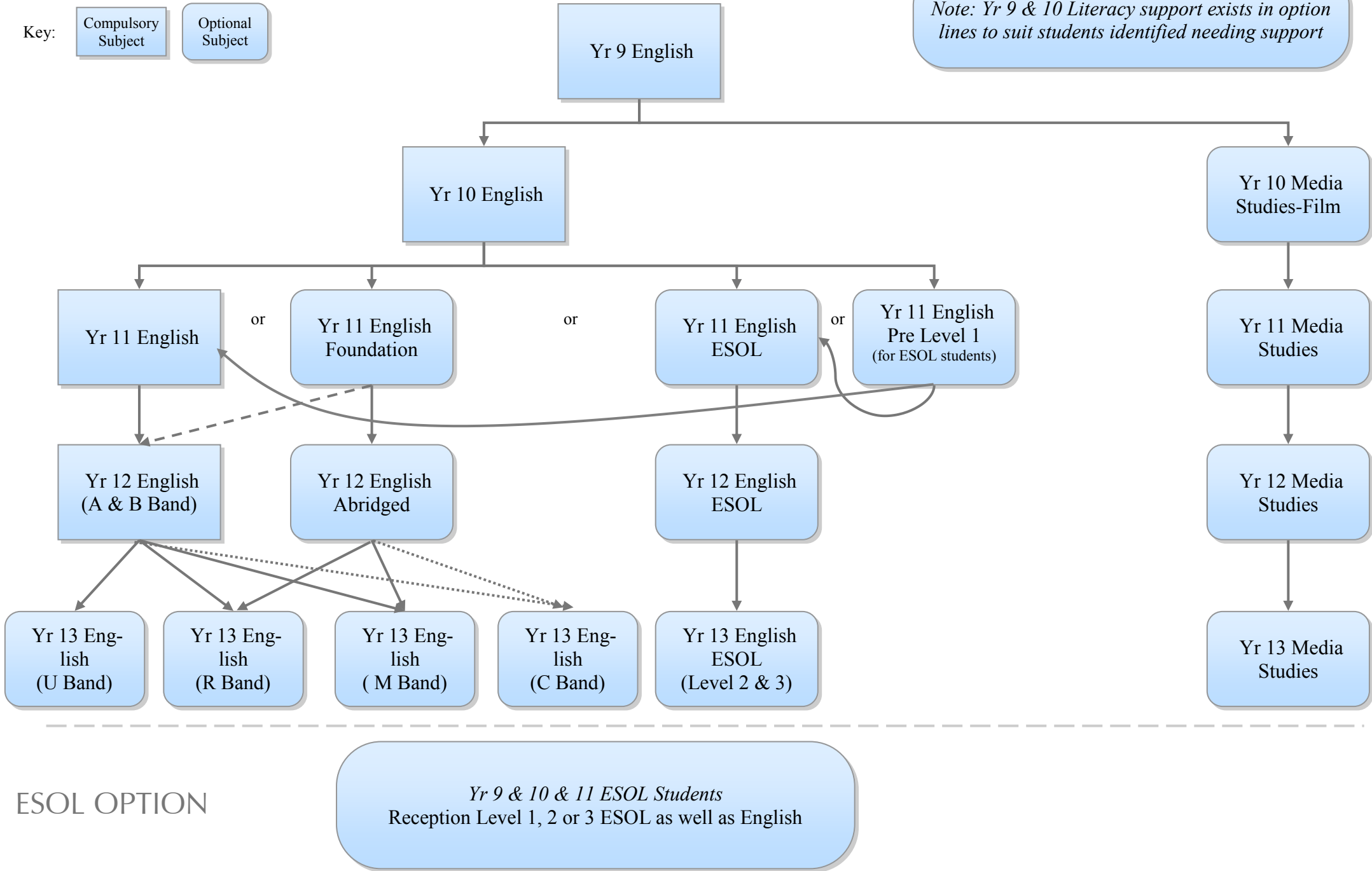
HOLA in charge of subject Ms Clapperton

BDSC subject flow diagram—ENGLISH

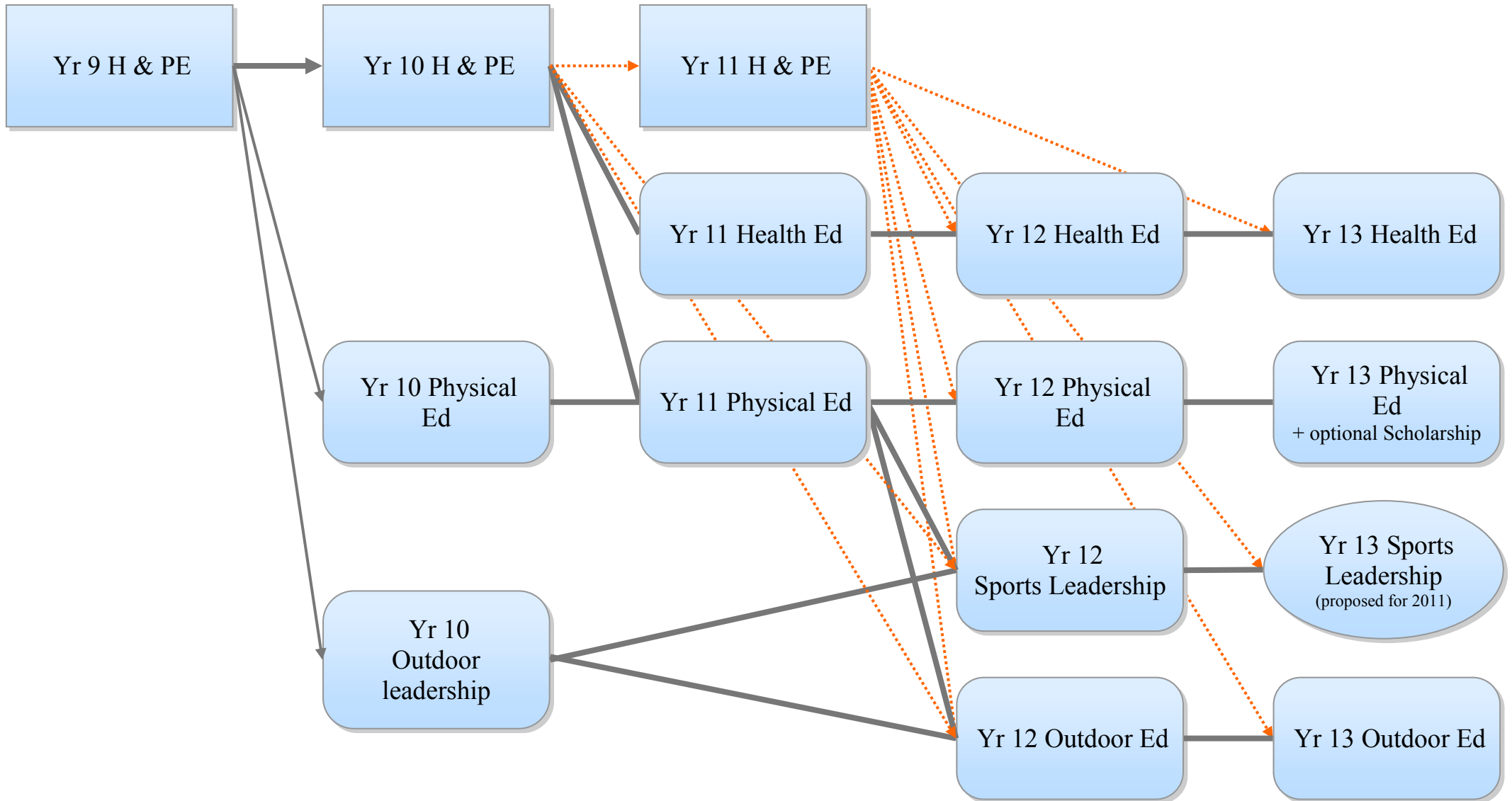
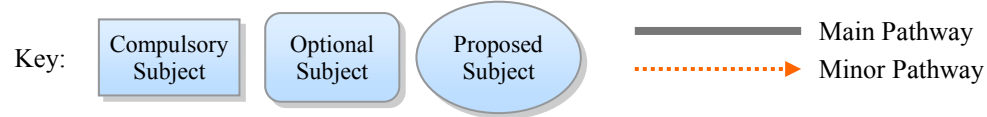
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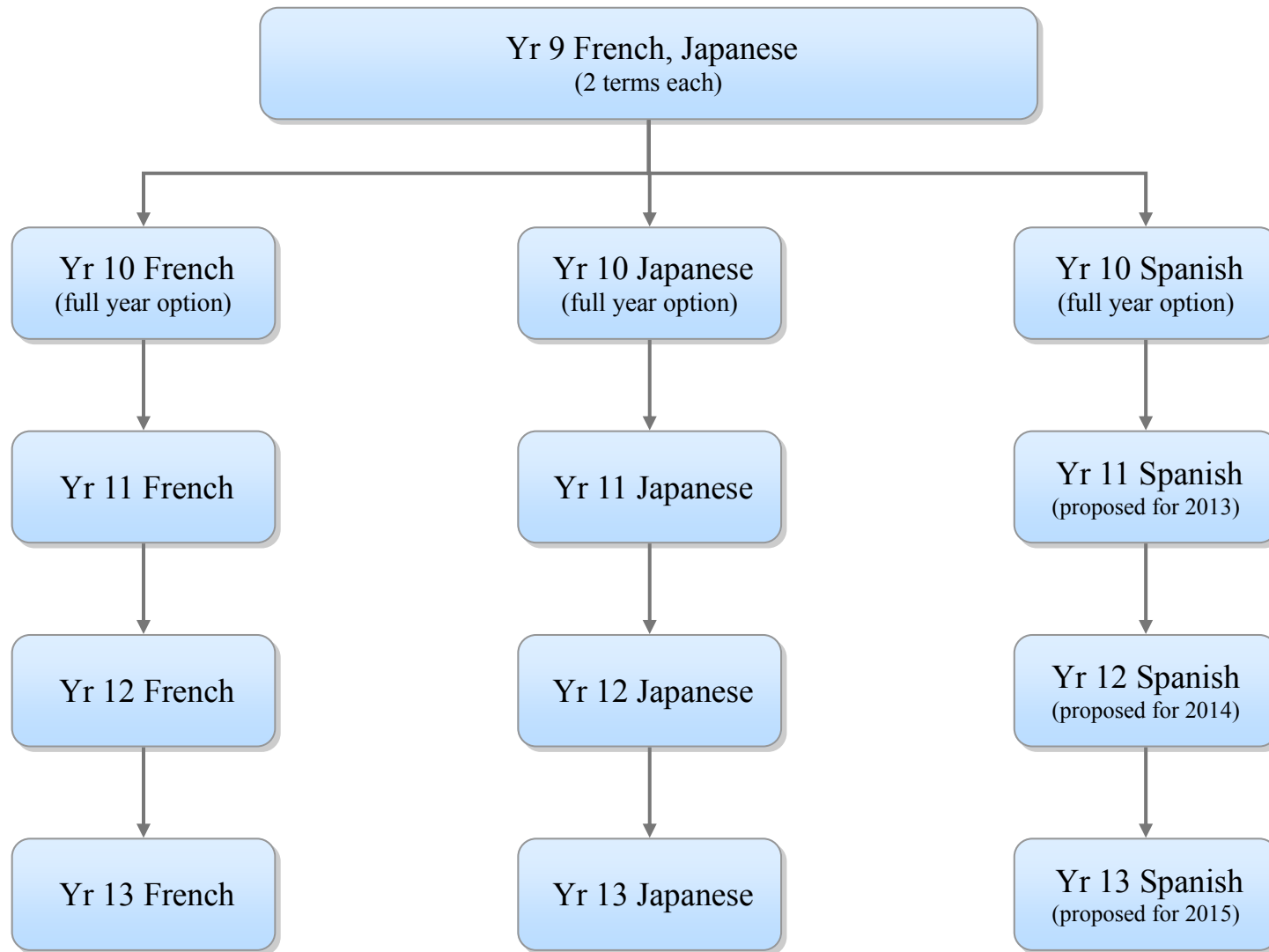
Note: Yr 9 & 10 Literacy support exists in option lines to suit students identified needing support



BDSC subject flow diagram—HEALTH AND PHYSICAL EDUCATION



BDSC subject flow diagram—LANGUAGES

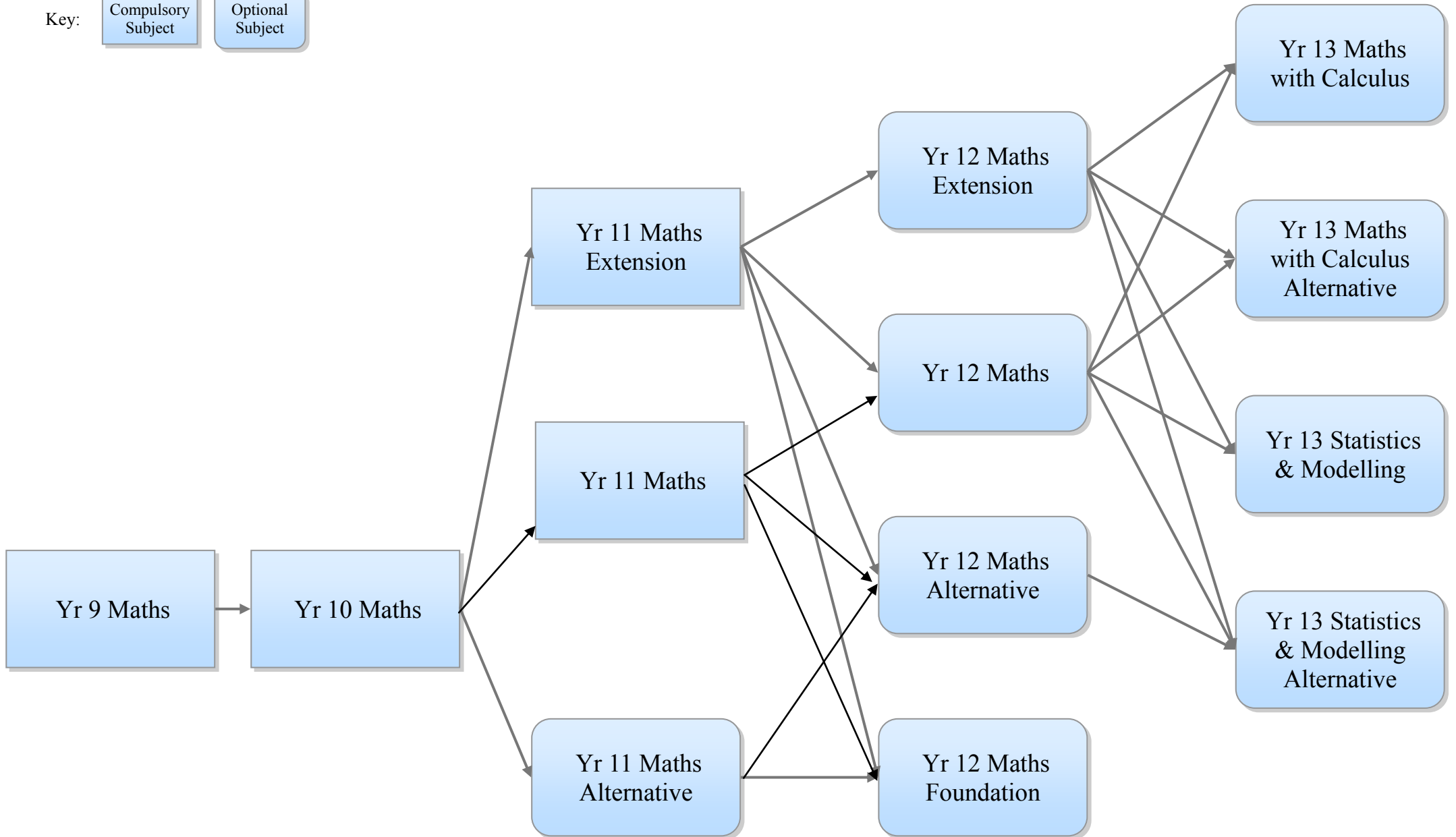


BDSC subject flow diagram—MATHEMATICS AND STATISTICS

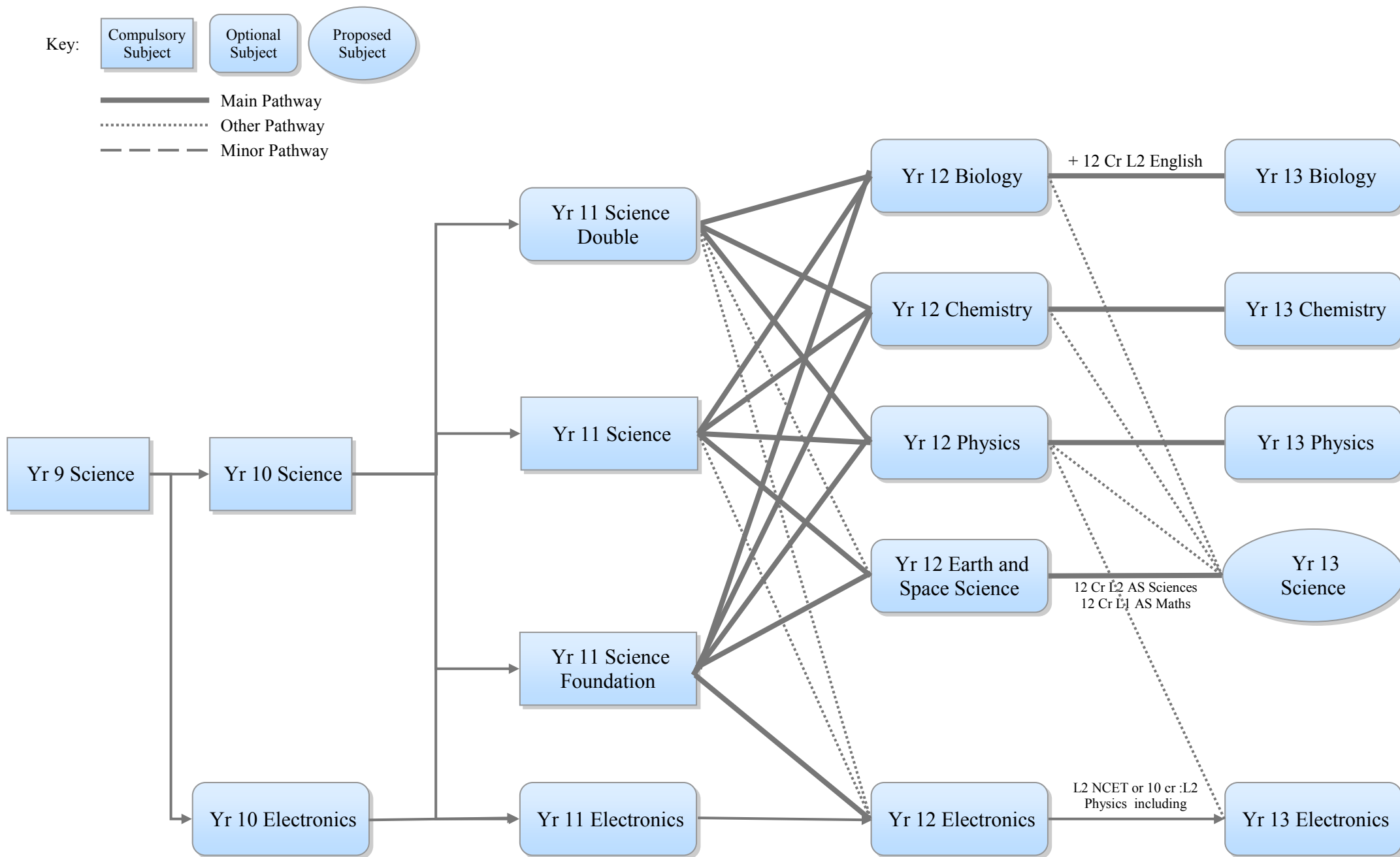
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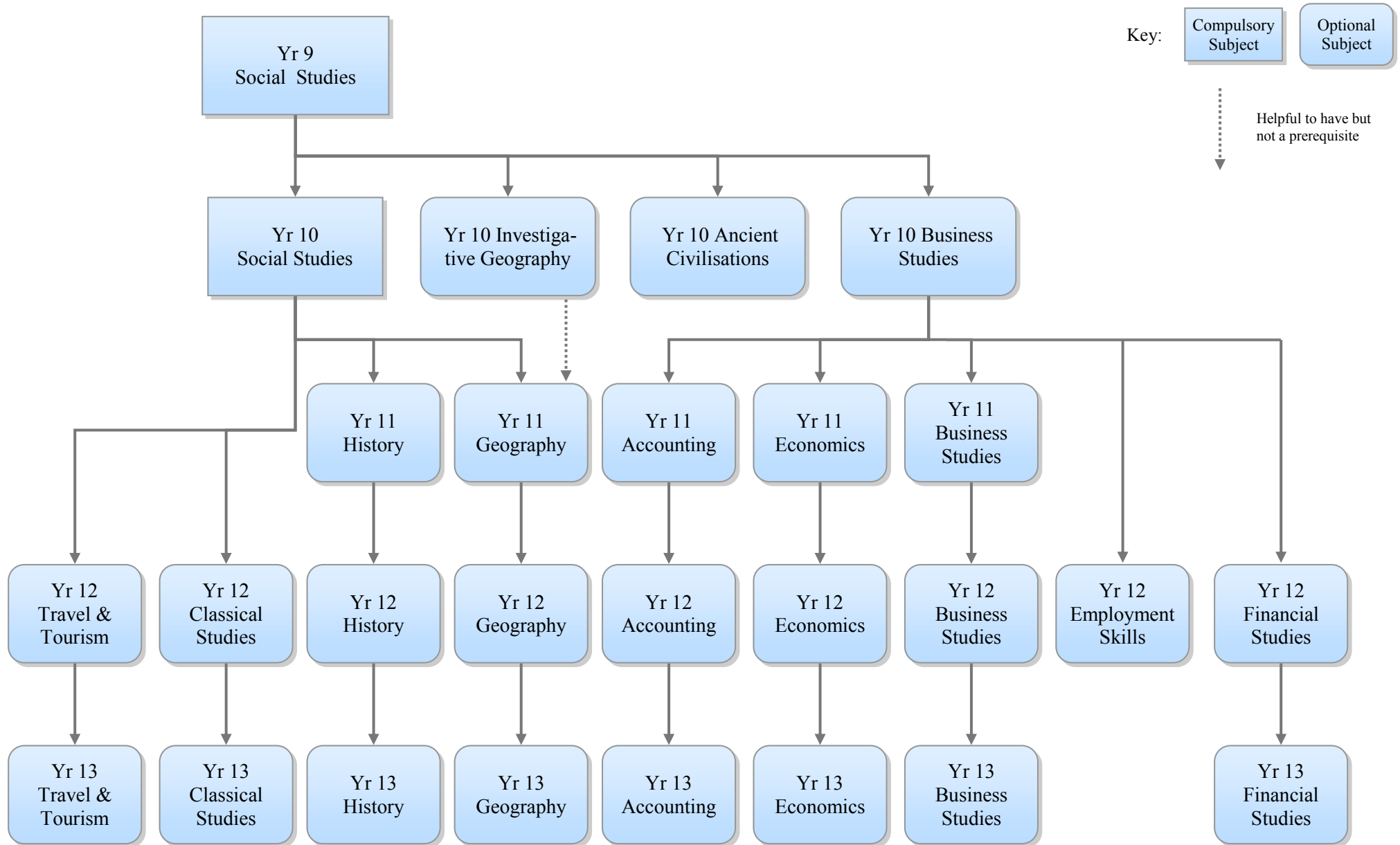
Optional Subject



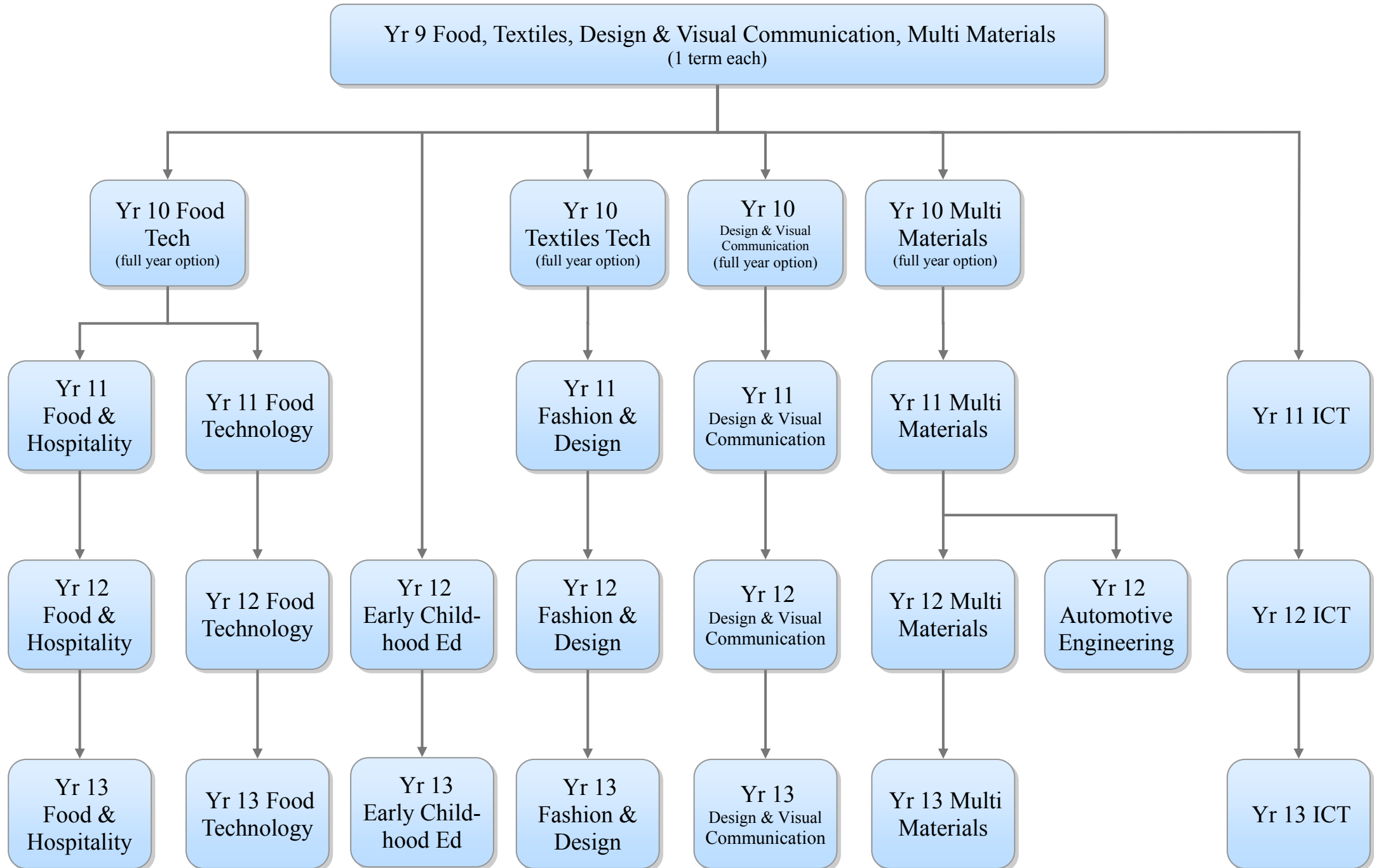
BDSC subject flow diagram—SCIENCE



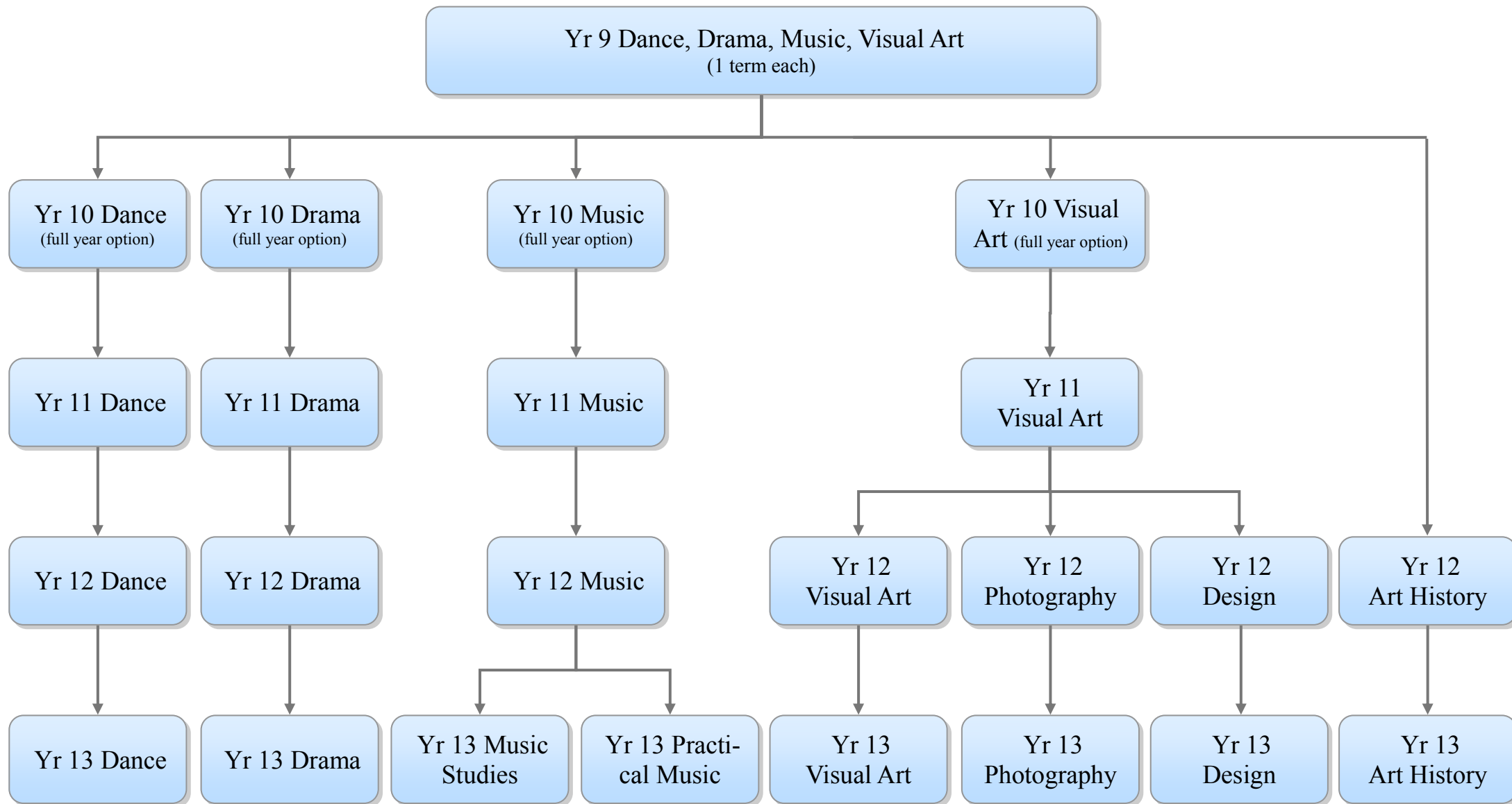
BDSC subject flow diagram—SOCIAL SCIENCES



BDSC subject flow diagram—TECHNOLOGY



BDSC subject flow diagram—VISUAL AND PERFORMING ARTS





Botany Downs Secondary College
575 Chapel Road, Howick
Auckland 1706

Phone (09) 273-2310

Fax (09) 273-8551

Email admin@bdsc.school.nz

Web Site www.bdsc.school.nz