



Section Two

Faculty and Subject Information

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FACULTY OF ARTS

*“Every child is an artist. The problem is how to remain an artist once he grows up”
Pablo Picasso (1881 – 1973)*

Arts subjects offered at ACG Parnell College:

- **Art and Design – IGCSE**
- **Art and Design: Painting – AS/A***
- **Art and Design: Graphic Design – AS/A**
- **Art and Design: Photography – AS/A**
- **Design and Technology – IGCSE, AS/A***
- **Drama – IGCSE, AS**
- **Music – IGCSE, AS/A**



Alina Savastyuk Year 11 Art & Design: Painting 2010

Art has a diverse range of applications. These range from Design and Fine Art through to Architecture, Photography, Film, Television and Web Technology.

Students who continue with the Arts are given the greatest gift of all, the ability to think creatively and laterally - a must for anyone in today's competitive environment.

The programmes we offer are designed to make students visually literate, technically proficient, and have the ability to continue on with their chosen subject at a tertiary level and enhance the creative quality of their personal lives.

ART AND DESIGN

The personal response encouraged by the Art and Design Syllabuses is intended to stimulate students' imagination, sensitivity, conceptual thinking, powers of observation and analytical ability.

Students will develop confidence and enthusiasm in the practice of Art and Design as they gain the technical skill necessary to form, compose and communicate in two dimensions, and the ability to identify and solve problems in visual and tactile form.

The study of Art and Design will lead to a wider awareness of the role played by the visual arts in society and in the history of civilisation. It will broaden students' cultural horizons and enrich their individual experience.

IGCSE Art and Design 0400

This is a one year course preparing students for:

- *A / AS Art and Design: Painting*
- *A / AS Art and Design: Photography*
- *A / AS Art and Design: Graphic Design*
- *A / AS Design & Technology*
- *There are no prerequisites for this course.*
- *Grades available: A* to G*



AS Photography - William Anselmi

Course content:

- Painting and drawing techniques, styles and processes, using a variety of different materials and media, such as pencil, charcoal, pastel, acrylic paint, ink and Indian ink;
- Manipulation and development of ideas and composition;
- Investigation of contemporary and historical artists;
- Written evaluation and analysis of artwork;
- Individual expression and development of ideas.

Assessment:

Title	Weight	Length	Coursework
Component 1: Observational / Interpretative Assignment	50%	6 weeks preparation and 8 hour examination (usually over several sessions of 2- 3 hours duration).	
Component 4: Coursework Assignment	50%	Term 1 - 3	Students produce a maximum of 16 x A3 pages of drawings and paintings (preparation work) and one final painting. This is assessed by the subject teacher and then externally moderated

A Level Art and Design Courses 9704

1. A/AS Art and Design – Painting

- *Pre-requisite: IGCSE Art and Design*
- *Grades available: A to E*
- *This is a full A Level course normally completed over two years. Students complete four components as follows:*

AS Painting

This course is designed to increase students' practical art-making skills. Students study relevant international and local artists and develop ideas through exploration of a particular painting technique or style. Subject matter is self-selected, guided by the teacher.

Assessment:

Title	Weight	Length	Coursework
Component 1: Controlled Test	60%	15 hr examination with several weeks' preparation	
Component 2: Coursework	40%	Terms 1 - 3	One A4 sketchbook; three or four A1 boards of supporting work; one final painting.

A2 Painting

- *Prerequisite: AS Painting*

Assessment:

Title	Weight	Length	Coursework
Component 3: Coursework	60%	Terms 1 - 3	One A4 sketchbook; seven to ten A1 boards of supporting work; one final painting.
Component 4: Related Study	40%	1 year	Written and illustrated analysis of a local artist (3,500 words)

The Coursework components are internally assessed and externally moderated, whilst the Related Study is assessed by CIE.

AS / A2 course weightings:

Course:	Proportion of A-Level Grade
AS course	50%
A2 course	50%

2. A/AS Art and Design – Photography

- *It is recommended that students study IGCSE Art and Design or IGCSE Design & Technology as preparation for this course*
- *Grades available: A to E*
- *This is a full A Level course normally completed over two years. Students complete four components as follows:*

AS Photography

Students will develop their ability to translate their ideas into photographic images. While this course is essentially practical, students will also be required to develop appropriate research skills and carry out a study of photographic history and theory.

Equipment needed: SLR digital camera.

Assessment:

Title	Weight	Length	Coursework
Component 1: Controlled Test	60%	15 hrs	
Component 2: Coursework	40%	Terms 1 – 3	One A4 journal; three or four A1 boards of supporting work; one final photograph.

A2 Photography

- *Prerequisite: AS Photography*

This course will develop students' understanding of the procedures and practices which underlie the making of photographs and the practice and extension of these through their own photographic work.

Assessment:

Title	Weight	Length	Coursework
Component 3: Coursework	60%	Terms 1 – 3	One A4 journal; seven to ten A1 boards of supporting work; one final photograph.
Component 4: Related Study	40%	1 year	Written and illustrated analysis of a local photographer (3,500 words)

The Coursework component is internally assessed and externally moderated, whilst the Related Study is assessed by CIE.

AS / A2 course weightings:

Course:	Proportion of A-Level Grade
AS course	50%
A2 course	50%

3. A/AS Art and Design – Graphic Design

- *Pre-requisite: IGCSE Art and Design or IGCSE Design and Technology*
- *Grades available: A to E*
- *This is a full A Level course normally completed over two years. Students complete four components as follows:*

AS Graphic Design

This course is designed to increase students' knowledge of creative problem solving. Students study design history and theory, practise traditional drawing and design skills and learn to use computer and information technologies. The design situation is self-selected, guided by the teacher.

Assessment:

Title	Weight	Length	Coursework
Component 1: Controlled Test	60%	15 hrs	
Component 2: Coursework	40%	Terms 1 – 3	One A4 sketchbook; three or four A1 boards of supporting work; one final design.

A2 Graphic Design

- *Prerequisite: AS Graphic Design*

A2 Assessment

Title	Weight	Length	Coursework
Component 3: Coursework	60%	Terms 1-3	One A4 sketchbook; seven to ten A1 boards of supporting work; one final design.
Component 4: Related Study	40%	1 year	Written and illustrated analysis of a local designer (3,500 words)

The Coursework component is internally assessed and externally moderated, whilst the Related Study is assessed by CIE.

AS / A2 course weightings:

Course:	Proportion of A-Level Grade
AS course	50%
A2 course	50%

DESIGN AND TECHNOLOGY

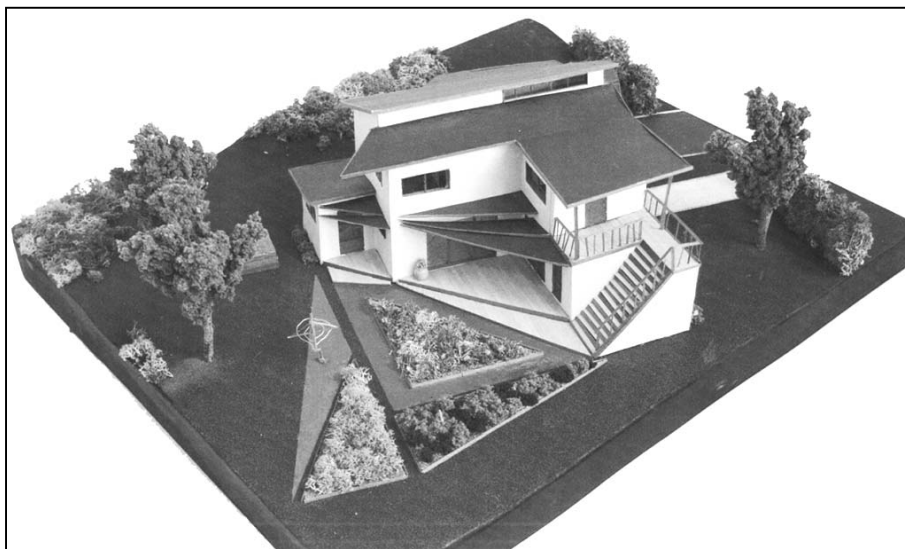
“Any sufficiently advanced technology is indistinguishable from magic.” Arthur C. Clarke "Technology and the Future" (Clarke's second law)

Design and Technology is a generic title covering a range of action based studies. The subject is concerned with giving students the opportunity to gain experience in identifying, considering and solving problems through the manipulation of knowledge, materials and technologies, thus helping them to prepare for a future within a changing technological society.

Students following a course in Design and Technology will be encouraged to develop and sustain their own innovation, creativity and design capability; to recognise constraints; and to produce high quality products. An awareness of the significance of design and technology upon society will be developed and essential knowledge and understanding of practical production processes will be applied to a range of technological activities.

Students are required to use information and communications technology (ICT), as appropriate, to enhance their design and technological capability.

They will develop critical evaluation skills in technical, aesthetic, economic, environmental, social and cultural contexts; and will develop as discerning consumers able to make informed choices.



Year 11 Design Technology – Beach House Design.

IGCSE Design and Technology 0445

- *This is a one year course preparing students for: A / AS Design and Technology*
- *There are no prerequisites for this course.*
- *Grades available: A* to G*

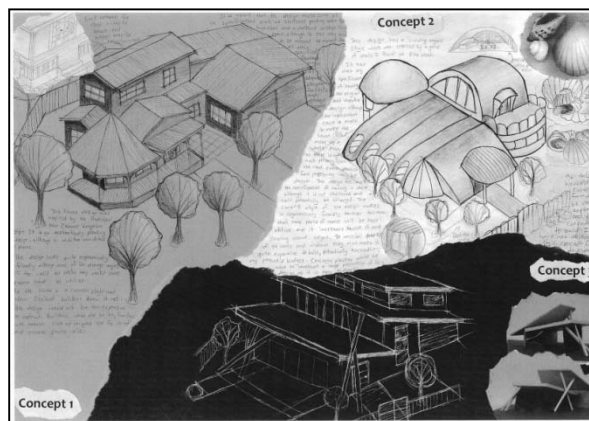
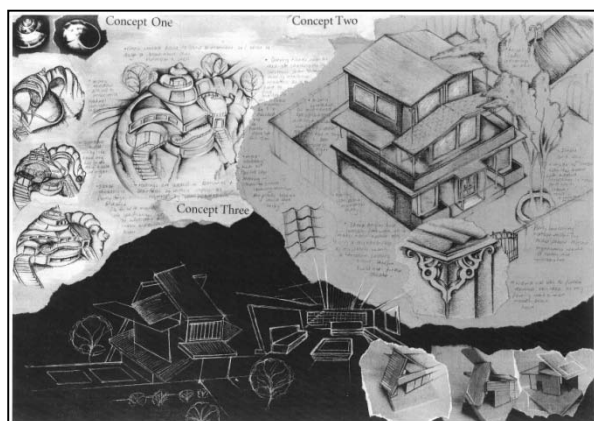
Course content:

This course is based around an architectural project, in which students design and construct a model of a beach house. Students are expected to demonstrate the following skills:

- Knowledge with understanding: The ability to demonstrate a crucial awareness of the understanding of the interrelationship between design and the needs of society.
- Problem Solving: The ability to develop, refine, test and evaluate the effect of design solutions.
- Communication: The ability to develop ideas and represent details of form, shape, construction, movement, size and structure through graphical representation and three dimensional modelling.
- Realisation: The ability to evaluate the process and product in terms of aesthetic, functional and technical quality.

Assessment Schedule:

Title	Weight	Length	Coursework
Examination Paper 1: Design	25%	1 hr 15 mins	
Examination Paper 2: Graphic Products	25 %	1 hr	
Coursework Paper 5: School-based Assessment	50%	Terms 1 - 3	A3 portfolio; final architectural model



AS Design and Technology 9705

- *Pre-requisite: IGCSE Design and Technology or high achievement in IGCSE Art & Design*
- *Grades available: A to E*
- *This is a full A Level course normally completed over two years. Students complete four components as follows:*

AS Design and Technology

Course content:

The AS Design and Technology syllabus encourages students to expand and sustain their innovative design ideas, to recognise constraints and to produce high quality products. The syllabus promotes the use of information and communications technology and critical evaluation skills in technical, aesthetic, economic, environmental, social and cultural contexts. The coursework project allows students to investigate an area of personal interest, such as architecture, furniture design or fashion design.

AS Assessment :

Title	Weight	Length	Coursework
Written examination Paper 1	60%	3 hrs	
Major Project Paper 2	40%	2 Terms	A3 portfolio; one final product or scale model

A2 Design and Technology

- *Pre-requisite: AS Design and Technology*

The A2 Design and Technology syllabus encourages students to develop more specialised design skills and to develop an in-depth knowledge of Graphic Products. Students will investigate and develop the product proposed in AS Design & Technology and will produce a highly refined final product.

A2 Assessment :

Title	Weight	Length	Coursework
Examination Written Paper 3	60%	3 hrs	
Coursework Paper 4	40%	40 - 50hrs	A3 portfolio; one final product or scale model

AS / A2 course weightings:

Course:	Proportion of A-Level Grade
AS course	50%
A2 course	50%

DRAMA

“Drama is life with the dull bits cut out.” Alfred Hitchcock (1899 - 1980)

Students have the opportunity to develop understanding of drama through practical, analytical and theoretical study and foster knowledge and understanding of the social and cultural contexts of drama and theatre, through detailed study of dramatic texts, and practical exploration of drama written in different periods, in different styles and with different aims.

An interest in and enjoyment of drama and theatre is cultivated providing a meaningful and satisfying course of study that increases understanding and knowledge, develops creativity and imagination and fosters personal and social growth.

AS Drama: 8286 (NZ accredited CIE course)

- *There are no prerequisites for this course.*
- *Grades available: A to E*
- *This is one year course. There is no A2 Level course in Drama at the present time.*
- *The study of Drama can be continued at Tertiary Level*
- *Offered to Years 11 – 13.*

Course content:

1A: Scripted Drama

Students will research, prepare and perform an acting OR technical OR production role in a significant and substantial piece of scripted drama representative of one of the following theatre genres or periods:

1. Greek theatre
2. Mediaeval mystery or morality plays
3. Shakespearean drama
4. Comedy of Manners
5. Twentieth Century Theatre
6. Aotearoa / New Zealand Theatre

1B: Devised Drama: the ability to devise dramatic material, showing understanding of drama elements and application of dramatic conventions appropriate to the chosen genre or period AND be able to demonstrate performing skills in Drama.

2. Candidates should be able to analyze and apply knowledge of drama processes and performance, using appropriate terminology and demonstrating understanding of the production process (roles of actor, director, design, set, lighting, sound, costume, make-up) in relation to the chosen theatre genres and periods).

Assessment :

Title	Weight	Length	Coursework
Paper 1A: Coursework-Scripted Drama	30 %	45 mins	Scripted performance of existing work
Paper 1B: Coursework-Devised Drama	30 %	30 – 45 mins	Devise and perform an original piece
Paper 2: Written examination	40 %	1 hr 45 mins	

MUSIC

***“Music washes away from the soul the dust of everyday life”
Berthold Auerbach***

All students listen, perform and compose. These activities, inherent in all modern music courses, foster students' aesthetic and emotional development, self-discipline and creative skills. The intention is to encourage students to appreciate and enjoy music in local and world-wide contexts and to continue this interest into later life.

Students are encouraged to develop a perceptive, sensitive and critical response to the music of high art, folk and popular styles. Each style is placed in its historical and cultural context. Although the major part of the examination is related to the Western European musical tradition, the music of other cultures is always represented.

Students will develop a deeper understanding of music in its wider cultural context and be able to communicate understanding, supporting judgements by argument based on evidence.



IGCSE Music 0410

- *This is a one year course preparing students for A/AS Music*
- *The student needs to be having instrumental lessons*
- *Grades available: A* to G*

Course content:

Listening

- Aural awareness, perception and discrimination in relation to Western European music of the Baroque, Classical, Romantic and 20th Century periods
- Identifying and commenting on a range of traditional music from cultures in different continents
- Knowledge and understanding of one prescribed work from Western music repertoire
- Knowledge and understanding of the traditional music of a different culture
- Knowledge and understanding of musical theory and aural skills.

Composition:

- Use musical elements, structures, devices and technology to create compositions
- Use compositional devices and techniques
- Create a folio *of two compositions*

Performance:

- Technical proficiency on at least one instrument;
- Understanding of performance practice;
- Interpretative understanding of the music performed;
- Develop a solo performance programme;
- Perform as a member of an ensemble.

Assessment:

Title	Weight	Length	Coursework
Component 1: Unprepared Listening (J)	23%	1 hr (max)	
Component 2: Prepared Listening (J)	17%	40 mins	
Component 3: Coursework-Performing (O)	30%	4 - 10mins	Performance of solo and ensemble music
Component 4: Coursework-Composing (O)	30%		Folio of 2 compositions

A/AS Level Music 9703:

- *IGCSE Music or a similar qualification is required for this course – entry to be approved by Faculty Coordinator*
- *Grades available: A to E*
- *This is a full A Level course normally completed over two years*

AS Music

Course content:

Students will be required to demonstrate:

- An ability to listen attentively and responsively
- Understanding of the processes at work in music
- An ability to communicate clearly knowledge, understanding and musical insight
- Technical and interpretative competence in performing (depending on options)
- Musical invention in composing
- An ability to work independently.

AS Assessment:

Students must take the listening paper (1A) and chose two elements from the practical musicianship coursework (1B).

Papers	Title	Length	Coursework
1A	Listening Examination	2hours	
1B	Performance	6 – 10 minutes	Performance of a selection of music on a single programme.
	Practical musicianship (second instrument or ensemble work)	Over 6 months	3 performances over at least 6 months on a second instrument or as an ensemble.
	Composition exercises	6 – 8 compositions	A set of 6 – 8 progressive composing exercises in an established tradition.
	Composition	2 compositions (5 minutes)	Compose 2 contrasting compositions for 2 or more instruments.

A2 Music

A2 Assessment:

Students are able to choose 2 of 3 components to complete their A Level qualification.

The 3 components are:

- Performance (12-20 minutes) at an advanced level accompanied by detailed oral presentation by the candidate
- Composition at an advanced level lasting 8 to 12 minutes
- A 3000 word investigation and report based upon either the performance in 1, or the composition in 2.

FACULTY OF COMMERCE

*“Economics, politics and personalities are often inseparable.”
(Charles Edison 1890 - 1969)*

Commerce subjects offered at ACG Parnell College include:

- **Accounting- IGCSE, AS/A Level**
- **Business Studies- IGCSE, AS/A Level**
- **Economics- IGCSE, AS/A Level**



ACCOUNTING

Students will develop an understanding of the theory and concepts of accounting and their applications in a variety of business situations within a modern economic environment. Students will focus on the skills of recording, reporting, presenting and interpreting financial information, which, if desired, may form a basis for more advanced study.

Successful candidates gain lifelong skills, including:

- an ability to apply accounting concepts, principles and practices
- an understanding of the role of accounting as an information system for monitoring, problem-solving and decision making and the place of accounting in changing economic, social and technological environments
- an ability to examine and evaluate accounting policies and practices critically and analytically
- improved skills of communication, analysis, interpretation and presentation of both qualitative and quantitative accounting information

Attitudes towards accuracy, orderliness and logical thought are encouraged.

IGCSE Accounting 0452:

- *This is a one year course preparing students for A / AS Accounting.*
- *Grades available: A to G.*
- *There are no prerequisites for this course.*

Course Content:

- **The purpose of accounting**
- **Sources and recording of data**
- **Verification of accounting records**
- **Accounting procedures**
- **Principles of financial statements (final accounts)**
- **Preparation of financial statements (final accounts) for Sole Traders, Partnerships, Limited Liability Companies, Clubs and Manufacturing concerns.**
- **Analysis and interpretation**
- **Accounting principles and policies**

ASSESSMENT:

There are two compulsory papers, Paper 1 and Paper 2. Both papers contain questions based on the whole syllabus. Candidates receive grades from A to G.

Paper	Duration	Total Marks	Weighting	Description
Paper 1	1hr 45 min	120	50%	This is a structured question paper with 8–12 multiple choice items and short-answer questions. There are usually between 4 and 5 questions based on topics from the whole of the syllabus. All questions are compulsory, and candidates answer on the question paper.
Paper 2	1 hr 45 min	120	50%	This is a structured question paper. There are usually 4 to 6 questions based on topics from the whole of the syllabus. All questions are compulsory, and candidates answer on the question paper.

A/AS Level Accounting 9706:

- *There are no pre-requisites for this course. Students with no previous Accounting background should consult the Curriculum Co-ordinator about prior learning.*
- *Grades available: A to E.*
- *This is a full A Level course normally completed over two years. Students complete four components (Papers) as follows:*
 - **AS Level candidates must take Papers 1 and 2 only.**
 - **A-Level candidates must have passed Papers 1 and 2 before taking Papers 3 and 4.**

AS/A Level course weightings:

Course:	Proportion of overall A-Level Grade
AS	50%
A2	50%

AS/A Level Course content:

Section	Topic	AS Level	Advanced Level
The Accounting System			
A	Recording Financial Information	Examined	May be examined
B	Accounting Principles	Examined	May be examined
C	Control Systems	Examined	May be examined
Financial Accounting			
D	Preparation of Financial Statements	Examined	Includes additional contents
E	Capital (Equity)	Examined	Includes additional contents
F	Business Purchase	-	Examined
G	Published Final Accounts	-	Examined
Financial Reporting and Interpretation			
H	Interpretation and Analysis	Examined	Includes additional content
I	Company Financing	-	Examined
Elements of Managerial Accounting			
J	Costing Principles and Systems	Examined	Includes additional content
K	Budgeting	-	Examined
L	Standard Costing	-	Examined
M	Investment Appraisal	-	Examined

AS Assessment:

Title	Weight	Length	Coursework
Paper 1: Multiple Choice	30%	1 hr	-
Paper 2: Structured Questions	70%	1 hr 30 mins	-

A2 Accounting

➤ *Prerequisite: AS Accounting*

A2 Assessment:

Title	Weight	Length	Coursework
Paper 3: Multiple Choice	30%	1 hr	-
Paper 4: Problem Solving	70%	2 hrs	-

BUSINESS STUDIES



*“Wherever you see a successful business, someone once made a courageous decision.”
Peter F. Drucker*



Business Studies will provide you with an understanding of business, its purpose, its function and place within society. It will also develop essential skills to apply in a wide range of business contexts.

Business Studies gives you choices in the future to work and study in a range of fields. It is “involving, fun and exercises your creative instincts” (Richard Branson).

Course Content

Students will develop an understanding of the role and purpose of business activity in the public and private sectors, and the importance of innovation and change. They will learn how the major types of business organisations are set up, financed and operated and how their activities are regulated. The factors which influence business decisions, activities and outputs will also be considered. As well as introducing students to the concepts and techniques used in business, the course will facilitate the development of other skills, such as numeracy and enquiry.

Students will be encouraged to understand the working world and the essential values of co-operation and interdependence. Our Business Studies courses will prepare students to meet the world of work with confidence and awareness.

Where can Business Studies lead you????

- You could become a business tycoon, Donald Trump, Richard Branson, Trelise Cooper, Stephen Tindall.....
- You could work for yourself
- You could work for a multi-national company..... anywhere in the world
- You could work in any of these specialist fields: banking, accounting, finance, management, property, planning, human resources, industrial relations, international relations, marketing.....
- You could study a business, management or commerce university degree
- You will develop skills to work in any area you want to!!!

IGCSE Business Studies 0450

- *This is a one year course preparing students for:*
 - *A / AS Business Studies*
 - *A/ AS Economics*
 - *A/ AS Accounting*
- *Grades available: A* to G*
- *This course has no prerequisite*
- *Costs: Examination Entry Fee and Textbook.*

Assessment:

Candidates take:	
Paper 1 1¾ hours	Paper 2 1¾ hours
Short-answer questions and structured/data response questions. There will be no choice of questions.	Questions arising from a given case-study (not pre-released). There will be no choice of questions.
50% of total marks. If coursework option is chosen: 40% of total marks.	50% of total marks. If coursework option is chosen: 40% of total marks.

Course content:

- Business and the environment in which it operates
- Business structure, organization and control
- Business activity to achieve objectives
- People in business
- Regulating and controlling business activity



AS Business Studies

- *AS is a 1 year course*
- *Guidelines for entry:*
 - *D in IG English*
 - *D in IG Mathematics*
 - *Students who achieve below E in IG Business or Economics must see the Curriculum Co-ordinator/Dean before entry into this course*
- *Grades available: A to E*
- *Cost: Examination Entry Fee and Textbook*

A2 Business Studies

- *A2 is a 2 year course*
- *Guidelines for entry:*
 - *AS Business Studies Grade D*
 - *Students who achieve below E in AS Business must see the Curriculum Co-ordinator/Dean before entry into this course*
- *Cost: Examination Entry Fee and Textbook (same text as for AS Level)*

Assessment:

Paper	Weighting	
	AS Level	A Level
Paper 1 (Based on Core topics) 1 hour 15 mins Section A: 4 short answer questions Section B: Essay on Core curriculum (1 from a choice of 3 questions)	20% 20%	10% 10%
Paper 2 (Based on Core topics) 1 hour 30 mins 2 data response questions	60%	30%
Paper 3 (Based on Core + Extension topics) 3 hours Case study: 5 questions + 1 essay (from a choice of 2)	–	50%

Course Content:

	Core topics	Extension topics
	<i>All candidates study these topics:</i>	<i>A Level candidates also study:</i>
1. Business and its environment	<ul style="list-style-type: none"> • Enterprise • Business structure • Size of business • Business objectives • Stakeholders in a business 	<ul style="list-style-type: none"> • Business structure • Size of business • External influences on business activity
2. People in organisations	<ul style="list-style-type: none"> • Management and leadership • Motivation • Human resource management 	<ul style="list-style-type: none"> • Human resource management • Organisation structure • Business communication
3. Marketing	<ul style="list-style-type: none"> • What is marketing? • Market research • The marketing mix 	<ul style="list-style-type: none"> • Marketing planning • Globalisation and international marketing
4. Operations and project management	<ul style="list-style-type: none"> • The nature of operations • Operations planning • Inventory management 	<ul style="list-style-type: none"> • Operations planning • Capacity utilisation • Lean production and quality management • Project management
5. Finance and accounting	<ul style="list-style-type: none"> • The need for business finance • Sources of finance • Forecasting cash flows and managing working capital • Costs • Accounting fundamentals 	<ul style="list-style-type: none"> • Costs • Budgets • Contents of published accounts • Analysis of published accounts • Investment appraisal
6. Strategic management	<i>[No topics at AS Level]</i>	<ul style="list-style-type: none"> • What is strategic management? • Strategic analysis • Strategic choice • Strategic implementation

“Economics, politics and personalities are often inseparable.”
(Charles Edison 1890 - 1969)



ECONOMICS

By studying Economics students will understand more about:

- how an economy works
- the real world, e.g. why are houses and share prices falling, why is the dollar depreciating or what drives fuel prices up
- the reasoning behind economic decision making
- how to make optimal decisions as consumer, producer or as a citizen
- evaluating economic information and arguments and draw correct conclusions
- how to explain and analyse economic issues and arguments using economic theory
- thinking critically, to be able to extract information about the changing economy and the world in which we live.

A study of Economics provides students with an excellent base for many tertiary courses and potential career options in the future. Economists apply their skills in many areas such as marketing, management, banking, finance, the environment, international trade, health, energy, transportation, and the government sector such as in policy analysis, etc.

IGCSE Economics 0455

- *This is a one year course preparing students for: A / AS Economics*
- *Available grades: A* to E*
- *There are no prerequisites for this course.*

Course Content

- Basic economic problem: choice and the allocation of resources
- The allocation of resources: how the market works; market failure
- The individual as producer, consumer and borrower
- The private firm as producer and employer
- Role of government in an economy
- Economic indicators
- Developed and developing economies: trends in production, population and living standards
- International aspects.

Assessment: Examination

Title	Duration	Weight	Coursework
Paper 1: Multiple choice	45 mins	20%	-
Paper 2: Structured Questions	2 hours	50%	-
Paper 3: Analysis and Critical Evaluation	1 hr 30 mins	30%	-

A/AS Level Economics

- *Grades available: A to E*
- *This is a full A Level course normally completed over two years. Students complete four papers as follows:*

AS Economics

- *There are no prerequisites for this course*

This course provides students with the knowledge of the basic economic theory and skills needed to analyse and discuss economic data effectively. Students will learn to evaluate economic information, arguments and policies using the relevant economic theory.

Course content:

- Basic economic ideas: Scarcity, choice, market and money
- The price system: Supply, demand, price elasticity, and equilibrium
- Government Intervention in the price system: Externalities, social costs, public goods and methods of government intervention
- International trade: Absolute and comparative advantage, protectionism versus free trade, balance of payments statistics
- Measurement of the Macro-economy: Employment, unemployment, labour force and CPI
Macro-economic Problems: Inflation, balance of payments, and foreign exchange rates
- Macroeconomic Policies: Policies to correct balance of payments or exchange rate problems.

AS Assessment

Title	Weight	Length	Coursework
Paper 1: Multiple Choice	40%	1 hr	-
Paper 2: Data Response and Structured Essay	30% 30%	1hr 30 mins	-

A2 Economics

➤ *Prerequisite: AS Economics*

This course extends the knowledge gained in the AS course and includes some new topics such as Market Structures and Market Failure. More emphasis is placed on Macro-economic policies available to the government to achieve its economic objectives, the conflicts between different objectives and trade-offs that governments need to make.

Course content:

- Basic economic ideas: Scarcity, choice, market and money
- The Price System and the Theory of the firm
- Government Intervention in the Price System
- Theory and Measurement in the Macro economy
- Macroeconomic Problems
- Macroeconomic Policies.

A2 Assessment :

Title	Weight	Length	Coursework
Paper 3: Multiple Choice Supplement	30%	1 hr	-
Paper 4: Data Response Supplement and Essay Supplement (2)	20% 50%	2 hrs 15 mins	-

AS / A2 course weightings:

Course:	Proportion of overall A-Level Grade
AS course: Papers 1 and 2	50%
A2 course: Papers 3 and 4	50%

FACULTY OF ENGLISH

English courses offered at ACG Parnell College include:

- **English Language: IGCSE, AS**
- **English Literature: IGCSE,**
- **Literature in English: AS, A Level**



ENGLISH LANGUAGE

“Grammar is a piano I play by ear. All I know about grammar is its power.”
Joan Didion

Through the study of the English Language Syllabus students will develop the ability to communicate accurately, appropriately and effectively in speech and writing. Students will be encouraged to use relevant vocabulary, to employ correct grammar, spelling and punctuation, and to display a sense of style and audience. While there is a strong emphasis on reading and writing skills, speaking/listening will also be a focus.

The syllabus will help students to understand and respond appropriately to what they see, hear and experience, and to enjoy the full variety of the English language. In addition, it will complement their other studies by developing general skills such as the ability to analyse, make inferences, order facts and present opinions.

A study of English Language will promote personal development and an understanding of self and others.

IGCSE English Language 0500

Extended:

- **Co-requisite IGCSE English Literature**
- ***There are no prerequisites for this course***
- ***Available grades: A* to E***
- ***This is a one year course preparing students for
AS English Language or
AS English Literature***

Course content:

1. Reading Passages:

Extended: Questions will be based on two passages of approximately 600 – 700 words, linked by a common theme

2. Coursework Portfolio (core and extended):

Candidates will be required to submit a portfolio of three assignments, each of 500-800 words long. In three different genres:

- Assignment 1: informative, analytical and/or argumentative
- Assignment 2: imaginative, descriptive and/or narrative
- Assignment 3: a response to a text or texts chosen by the Centre

Assessment:

Papers	Title	Weight	Length	Coursework
Component 2	Reading Passages (Extended)	50 %	2 hrs	-
Component 4	Coursework Portfolio	50 %		Portfolio

Core:

- **There are no prerequisites for this course**
- ***Available grades: C to E***
- ***This is a one year course preparing students for
AS English Language***

Year Ten English results are analysed at the conclusion of the Semester One examinations. Students who achieve at or below 30% in this English examination are recommended to take the IGCSE Core English option in Year Eleven. By 1st August students' subject options will be adjusted to reflect this recommendation. This will be reviewed again at the conclusion of the Semester Two Year Ten examinations.

This Core English programme prepares students for the IGCSE Core English Language examination (0500/01) and is coupled with an internally assessed Literature programme. Students entering this course will receive a CIE grade in IGCSE English Language no higher than a C.

Students within this programme will progress in the following year to AS Language; they are **not** required to complete the IGCSE Extended English course in order to make this progression. Students cannot progress from IGCSE Core English to AS English Literature.

The advantages of the IGCSE Core English course are:

- 1) A shortened, less intensive Literature programme which enables the teacher to focus intensively on the core literacy skills of reading and writing.
- 2) A Literature programme which is more appropriate to the student's ability and, therefore, more likely to engender interest and enjoyment in the reading of critically reputable novels.
- 3) There is a greater likelihood of academic achievement in the external examination than in the Extended Course which includes a Literature programme where a range of challenging classical and modern texts is examined.

NB: An E or above in AS Language will meet the Literacy requirement for University Entrance. It does not progress to A2 level.

Course Content:

1. Reading Passage (Core):

Questions will be based on one passage of approximately 700 – 800 words. Students will be required to:

- Understand and collate explicit meanings
- Understand, explain and collate implicit meanings and attitudes
- Select, analyse and evaluate what is relevant to specific purposes
- Understand how writers achieve effects
- Select, analyse and evaluate what is relevant to specific purposes

2. Coursework Portfolio (core and extended)

Candidates will be required to submit a portfolio of three assignments, each of 500-800 words long, in three different genres:

- Assignment 1: informative, analytical and/or argumentative
- Assignment 2: imaginative, descriptive and/or narrative
- Assignment 3: a response to a text or texts chosen by the Centre

Assessment :

Papers	Title	Weight	Length	Coursework
Component 1	Reading Passage (Core)	50 %	1 hr 45 mins	--
Component 4	Coursework Portfolio	50 %		Portfolio

AS English Language 8693

- *Pre-requisites: IGCSE English Language / Literature*
- *Exclusions: AS English Literature*
- *This is a one year course which does not lead on to an A2 Level course.*

The English Language syllabus at this level aims to encourage a critical and informed response to writing in a range of forms, styles and contexts. It will help students to identify distinguishing features of passages, relate them to the function and context of the writing and organise information in their answers. They should be able to comment on aspects such as vocabulary, figurative language, word-ordering and sentence structure. They should also be able to comment on aspects relating to the communication of attitudes, bias and prejudice.

Course content:

A wide range of short fiction and non-fiction texts is used. Students will be required to comment at length on the distinguishing features of a passage. In the directed writing tasks, students should demonstrate:

- the ability to write for a specific purpose and / or audience
- the use of appropriate vocabulary, tone and style.

In the Composition section, students cover styles such as narrative, descriptive, imaginative, discursive and argumentative writing.

Students will be required to demonstrate:

- accurate use of language
- an appropriate style
- clear presentation.

Assessment:

Title	Weight	Length	Coursework
Paper 1: Passages for Comment	50%	2 hrs	-
Paper 2: Composition	50%	2hrs	-

YEAR 11 ESOL

Aims: This course is aimed predominantly at international students for whom English is a second language. Students entering this course will be fifteen years old or, at minimum, due to turn fifteen. They will have either achieved promotion through the Parnell College Reception programme after at least one term of study or be direct overseas enrolments who have achieved the entry standard through the Parnell College Placement test for international students.

Course Content

Students prepare for **Level One Unit Standard 8808 ‘Wide Reading’**. Students will read and respond in written form to six written texts following the Elements and Performance Criteria of Unit Standard 8808 version 4.

YEAR 12 ESOL

Aims: This course is aimed predominantly at international students for whom English is a second language and who have either achieved Level One NCEA English credits or who have completed all or part of an equivalent Year Eleven course, such as IGCSE English prior to commencement of this course.

Course Content

Students prepare for **Level Two Unit Standard 8823 ‘Investigate a theme across an inclusive range of selected texts’**.

YEAR 13 ESOL

Aims: This course is aimed predominantly at international students for whom English is a second language and who have been studying in New Zealand for at least one year prior to commencement of the course, and who intend to proceed to full-time study in a New Zealand university.

Course Content

Students prepare for **Level Two Achievement Standard 90381 ‘Investigate a language or literature topic and present information in written form’**.

Students prepare for **Level Two Achievement Standard 90376 ‘Produce crafted and developed formal transactional writing’**.

Assessment

	Content	Assessment	University Entrance Credits
Year 11	Unit Standard 8808	Credit / No Credit	0
Year 12	Unit Standard 8823	Credit / No Credit	4 credits: Reading
Year 13	Achievement Standard 90381 Achievement Standard 90376	Achieved Achieved with Merit Achieved with Excellence	6 credits: Writing

Four credits in Reading literacy standards at Level 2 and four credits in Writing literary standards at Level 2 is the minimum English requirement for entry to a New Zealand University.

ENGLISH LITERATURE

“The decline of literature indicates the decline of a nation”.

Johann Wolfgang von Goethe

Through the study of literature students are encouraged to read, interpret and evaluate literary texts. They will develop an understanding of texts in terms of literary meaning, relevant contexts and deeper themes or attitudes.

They will learn to recognise and appreciate the ways in which writers use language to achieve their effects, and to communicate an informed personal response.

The study of literature allows students to explore areas of universal human concern, thus leading to a greater understanding of themselves and others.

Students will develop the ability to respond to texts in the three main forms (Prose, Poetry and Drama) and understand the ways in which writers’ choices of form, structure and language shape meaning. The ability to produce informed, independent opinions and judgements on literary texts, and to communicate clearly the knowledge, understanding and insight relating to literary study is also promoted.

IGCSE English Literature 0486

Extended:

- ***Co-requisite IGCSE English Language***
- ***Available grades: A* to E***
- ***This is a one year course preparing students for AS English Language OR AS English Literature***

Course content:

Four texts will be studied from three categories:

- Poetry
- Prose
- Drama

Skills include:

- Knowledge with understanding
- Critical interpretation
- Judgement and personal response

Assessment:

Title	Weight	Length	Coursework
Paper 4: Closed Books	75%	2 hrs 15 mins	-
Paper 5: Closed Books	25%	45 minutes	-

AS Literature in English

- *Pre-requisite: IGCSE English Literature*
- *Exclusions: AS English Language*
- *Grades available: A to E*
- *This is a full A Level course normally completed over 2 years*

Course content:

Poetry and Prose

One text from each of the above categories will be studied. Content will include:

- Developing responses to show understanding and informed, independent opinion and communicating these clearly
- Narrative methods
- The style and language of texts
- The ways in which form, structure and language shape meaning

Drama

Two plays will be studied, one Shakespearean and one modern. Content will include:

- An appreciation of dramatic qualities of texts
- Developing responses to show understanding and informed, independent opinion and communicating these clearly
- Narrative methods
- The style and language of texts
- The ways in which form, structure and language shape meaning

Assessment:

Title	Weight	Length	Coursework
Examination: Paper 3:Poetry and Prose	50%	2 hrs	-
Examination: Paper 4:Drama	50%	2 hrs	-

A2 Literature in English

1. Pre-requisite: AS English Literature

Course content:

Shakespeare and Other pre-20th Century Texts

Questions on the relation of textual parts to their wholes, on the effective use of narrative methods, and on the style and language of texts will test students understanding of the ways in which writers' choices of form, structure, and language shape meanings, and their appreciation of dramatic qualities of play texts.

Coursework

Candidates submit a folder of two essays on two texts, which must not be texts set for study elsewhere in the Syllabus, and must be whole works originally written in English. These two texts are taken from two different forms (prose/poetry/drama). The essay questions are pre-approved by the CIE moderator and pre-announced to students. There is a strong emphasis on critical analysis and individual response to the texts.

Assessment:

Title	Weight	Length	Coursework
Examination: Paper 5: Shakespeare and other C20th texts	50%	2 hrs	-
Examination: Paper8: Coursework	50%	2 hrs	-

AS / A2 course weightings:

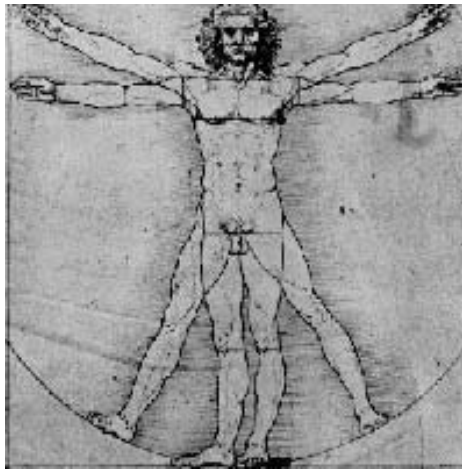
Course:	Proportion of overall A-Level Grade
AS course	50%
A2 course	50%

FACULTY OF HUMANITIES

The calling of the humanities is to make us truly human in the best sense of the word” J. Irwin Miller

Humanities subjects offered at ACG Parnell College include:

- **Classical Studies: AS, A Level**
- **Geography: IGCSE, AS, A Level**
- **History: IGCSE, AS, A Level**



CLASSICAL STUDIES

“For what are the classics but the noblest thoughts of man? They are the only oracles which are not decayed, and there are such answers to the most modern inquiry in them as Delphi and Dodona never gave. We might as well omit to study Nature because she is old.”
Henry David Thoreau

Classical Studies can be defined as the study of the civilizations of Greece and Rome in the Classical period. The study of classical civilizations is valuable for three reasons:

They form the basis for the western traditions of art, literature, philosophy, political thought and science which have shaped the modern world.

Those works have an intrinsic interest and quality representing some of the highest achievements of mankind, the study of which is relevant to many issues of contemporary society.

The multi-disciplinary nature of the subject, combining different types of study such as literature, art history, science and philosophy, leads to an understanding of the relationship between different intellectual disciplines.

AS/A Level Classical Studies 9274

- *There are no prerequisites for this course although it is recommended for students who have gained a C Grade or higher in IGCSE English*
- *Available grades: A to E*
- *Classical Studies can be continued at Tertiary level*

AS Classical Studies

Course content:

Students will study the following topics

Paper 1 - Greek Studies:

- Socrates, Aristophanes

Paper 2 - Roman Studies:

- Augustus, Virgil

Assessment:

Title	Weight	Length	Coursework
<i>Paper 1 - Greek Studies:</i> Students must answer one of the following for each topic: <ul style="list-style-type: none">• Essay• Gobbets and mini essays	25% 25%	90 mins	NA
<i>Paper 2 - Roman Studies:</i> Students must answer one of the following for each topic: <ul style="list-style-type: none">• Essay• Gobbets and mini essays	25% 25%	90 mins	NA

A Level Classical Studies 8283

Course content:

Students will study the following topics

Paper 3 – Classical History: Sources and Evidence

Students will learn one of the following topics:

- The Changing World of Athens: its friends and enemies
- The Roman Empire: civilisation or submission

Paper 4 – Classical Literature: Sources and Evidence

Students will learn one of the following topics:

- Drama: the idea of tragedy
- Gods and Heroes: the importance of epic

Title	Weight	Length	Coursework
<i>Paper 3 - Classical History</i> Students must write one essay for the topic studied	50%	90 mins	NA
<i>Paper 4 - Classical Literature:</i> Students must write one essay for the topic studied	50%	90 mins	NA

GEOGRAPHY

Students will be encouraged to develop a sense of place and an understanding of relative location on a local, regional and global scale.

Through a study of the characteristics and distribution of a selection of contrasting physical and human environments, students will come to understand some of the processes which affect the development of these environments. They will gain an insight into the spatial effects of the ways in which people interact with each other and with their environments.

Together with a wider understanding of different communities and cultures throughout the world, students will come to appreciate the contrasting opportunities and constraints presented by different environments.

IGCSE Geography 0460

- *This is a one year course preparing students for: A / AS Geography*
- *There are no prerequisites for this course*

Course content:

Population and Settlement

- population dynamics,
- types of settlement

The Natural Environment

- plate tectonics
- structure, landforms and landscape processes
- weather, climate and natural vegetation
- inter-relationship between the natural environment and human activities

Economic Development and the Use of Resources

- agricultural systems,
- industrial systems
- leisure activities and tourism
- energy and water resources
- environmental risks and benefits – conservation and management

Assessment:

Title	Weight	Length	Coursework
Paper 1: Structured Questions	45%	1hr 45 mins	-
Paper 2: Skill-based Questions	27.5%	1hr 30 mins	-
Paper 4: Alternative to Coursework	27.5%	1hr 30 mins	-

A/AS Level Geography 9696

- *There are no prerequisites for this course*
- *This is a full A Level course normally completed over 2 years. Students complete three papers as follows:*

AS Geography

Course content:

Physical Core topics:

- Hydrology and Fluvial Geomorphology
- Atmosphere and Weather
- Rocks and Weathering

Human Core topics :

- Population Change
- Settlement Dynamics

As part of the course assessment requirements students will attend a geography field trip in Term 1 to Waitomo at an approximate cost of \$200.

AS Assessment:

Title	Weight	Length	Coursework
Paper 1: Core Geography	100%	3 hrs	-

A2 Geography

- *Prerequisite: AS Geography*

Course content:

Advanced Physical Geography (Choose 2 of the following):

- Tropical Environments
- Coastal Environments
- Hazardous Environments
- Arid and semi-arid environments

Advanced Human Geography (Choose 2 of the following):

- Production, location and change
- Environmental Management
- Global Interdependence
- Economic transition

Assessment Modes:

Title	Weight	Length	Coursework
Paper 2: Advanced Physical Geography	50%	1 hr 30 mins	-
Paper 3: Advanced Human Geography	50%	1 hr 30 mins	-

AS / A2 course weightings:

Course:	Proportion of A-Level Grade
AS course	50%
A2 course	50%

HISTORY



“We are not makers of history. We are made by history.”
(Martin Luther King, Jr.)

The study of History stimulates interest in and enthusiasm about the past; promotes the acquisition of knowledge and understanding of human activity in the past; and ensures that a student’s knowledge is rooted in an understanding of the nature and use of historical evidence.

It promotes an understanding of the nature of cause and consequence, continuity and change, similarity and difference and provides a sound basis for further study and the pursuit of personal interest encouraging international understanding and the development of linguistic and communication skills.

Students are encouraged to think independently and to make informed judgements on issues.

IGCSE History 0470

- *This is a one year course preparing students for: A / AS History*
- *Grades available: A* to G*
- *There are no prerequisites for this course.*

Course content:

- All students study the 20th century Core Content on **International Relations since 1919** and a Depth Study of **Germany, 1918-45**

Assessment Modes:

Title	Length	Weight	Coursework
Paper 1: Core Content and Depth Study	2 hrs	40%	-
Paper 2: Selected Topic from Core Content	2 hrs	33%	-
Paper 3: Coursework on Depth Study	-	27%	2 assignments

A/AS Level History 9697

- *There are no prerequisites for this course*
- *Available grades: A to E*
- *This is a full A Level course normally completed over 2 years. Students who wish to gain AS qualification - enrol for one paper from the choices below – students wishing to gain A2 Level enrol for two paper over the course of 2 years.*

AS History

Course content:

At AS level, students will follow the syllabus for **Paper 1 - Modern European History 1789-1939**. This will involve the study of the following topic areas:

- The Industrial Revolution
- The Spread of New Imperialism
- The Origins of the First World War (Source based study)
- The Russian Revolution
- Totalitarian Regimes of Mussolini, Hitler & Stalin

Assessment :

Title	Weight	Length	Coursework
Paper – 4 essay style answers	100%	3 hrs	-

A2 History

- *Prerequisite: AS History*

A Level History students will follow the syllabus for **Paper 5 - The History of the USA 1840-1968**.

This will include the study of the following topic areas:

- Westward Expansion and Taming of the West c. 1840-96;
- The Road to Secession and Civil War 1846-1861 (source-based);
- Boom and Bust 1920-1941;
- Civil Rights 1895-1965;
- The USA's Rise as a World Power 1890-1945.

Assessment:

Title	Weight	Length	Coursework
Paper – 4 essay style answers	100%	3 hrs	-

AS / A2 course weightings:

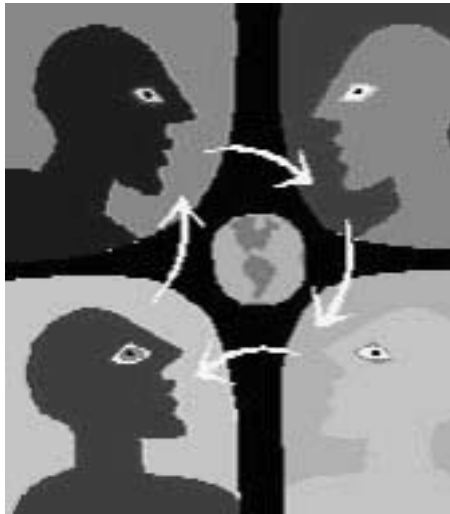
Course:	Proportion of A-Level Grade
AS course	50%
A2 course	50%

FACULTY OF LANGUAGES

*“A different language is a different vision of life.”
Federico Fellini*

Foreign language courses offered at ACG Parnell College include:

- **Spanish: IGCSE, AS, A Level**
- **Chinese: IGCSE, AS**



The study of a foreign language complements other areas of study by encouraging the use of skills with a more general application.

Research has shown that mathematical and verbal skills improve with each additional year of foreign language study, which means that the longer you study a foreign language, the stronger your skills become to succeed in school. Studying a foreign language can improve your analytical and interpretive capacities.

If you already speak a language other than English at home, expanding your knowledge of its vocabulary, grammar, culture, and literature - at the same time you are learning English - will also improve your chances for success in school and in your career.

Get an insider's view of another culture and a new view of your own. Studying a new language, reading other people's stories, and connecting with people in their own language can be a source of pleasure and surprise.

Learning about other cultures will help you expand your personal horizons and become a responsible citizen. Your ability to talk to others and gain knowledge beyond the world of English can contribute to your community and your country.

SPANISH

“Alcanzar las estrellas”

Spanish is becoming of greater importance in Europe where it is often the foreign language of choice after English. With some 400 million speakers, it is the fourth most commonly spoken language in the world (after English, Chinese and Hindustani). According to some statistics it has more native speakers than English. It is an official language on four continents and has historical importance elsewhere.

The numbers alone make Spanish a good choice for those wanting to learn another tongue. There are numerous other reasons to learn Spanish, as mentioned on the previous page.

The Spanish syllabus aims to develop the students’ ability to use the language effectively for purposes of practical communication, enjoyment and intellectual stimulation. It offers insights into the culture and civilization of the countries where the language is spoken and encourages positive attitudes towards them. It will give students a sound base of listening, speaking, reading and writing language skills for further study, work and leisure. In Year 13 the students study a wide variety of Spanish literature that gives them a solid grounding for the study of Spanish at university.



Students are advised to ensure they have achieved a B grade or above at IGCSE level in order to continue with the study of Spanish in Years 12 and 13. We will accept students who score a C grade and who are keen to continue with Spanish. Experience shows that these students will need to make extra independent effort with their study of grammar.

IGCSE Spanish 0530

- 2. Prerequisite: Minimum of Year 10 Spanish**
- 3. Grades available: A to E**
- 4. This is a one year course preparing students for AS/A Level Spanish**

Course content:

1. Listening: Students should be able to demonstrate understanding of specific detail in formal public announcements, short conversations and interviews; identify important points or themes and draw conclusions from the material.
2. Reading and directed writing: Students should be able to demonstrate understanding of words within a wide range of texts, including magazines and newspapers, and an ability to identify the important points within an extended piece of writing.
3. Speaking: Performance of role-playing tasks which involves taking the initiative, responding to questions and adapting to the needs of the audience and the situation.
4. Continuous Writing: The expression of thoughts, feelings and opinions in order to interest, inform or convince. Demonstration of adequate control of vocabulary, syntax and grammar, punctuation and spelling.

Assessment:

Title	Weight	Length	Coursework
Paper 1: Listening	25%	45 mins	-
Paper 2: Reading and directed writing	25%	1 hr 30 mins	-
Paper 3: Speaking	25%	15 mins	-
Paper 4: Continuous writing	25%	1 hr 15 mins	

AS Spanish 8685

- *Pre-requisites: O Level Spanish or IGCSE Spanish Grade B or above*
- *Grades available: A to E*
- *This is a full A Level course normally completed over 2 years.*

The Spanish Language syllabus at this level aims to develop the ability to understand the foreign language from a variety of registers and to enable students to communicate confidently and clearly. It develops insights into the culture and civilisation of the countries where the language is spoken, and forms a sound base of skills, language and attitudes required for further study, work and leisure. The course will also encourage positive attitudes to language learning and a sympathetic approach to other cultures and civilisations and will further intellectual and personal development by promoting learning and social skills.

Course content:

This course will develop the students linguistic competence and their knowledge of contemporary society by requiring them to:

- Understand and respond to texts written in Spanish, drawn from a variety of sources such as magazines, newspapers, reports, books and other forms of extended writing.
- Manipulate Spanish accurately in spoken and written forms to demonstrate a capacity to choose appropriate examples of lexis and structures.
- Select information and present it in Spanish and to organise arguments and ideas logically.

AS Assessment

Title	Weight	Length	Coursework
Examination: Paper 1: Speaking	30%	0.3 hr	-
Examination: Paper 2: Reading & Writing	50%	1 hr 45 mins	-
Examination: Paper 3: Essay	20%	1 hr 30 mins	-

Essay options in 2012 will be:

- Work and leisure
- Media
- Conservation
- Education
- Cultural life and heritage

A2 Spanish 9719

- *Pre-requisites: AS Spanish Grade C or above is recommended (D-E grades are accepted)*

A2 Assessment:

Title	Weight	Length	Coursework
Examination: Paper 1: Speaking	20%	0.3 hr	-
Examination: Paper 2: Reading & Writing	35%	1 hr 45 mins	-
Examination: Paper 3: Essay	15%	1 hr 30mins	-
Examination: Paper 4: Texts	30%	2 hrs 30 mins	-

Texts for 2012 include:

- La Camisa, Lauro Olmo
- Como agua para chocolate, Laura Esquivel
- Yerma, Federico Garcia Lorca

CHINESE

With China emerging as the fastest growing economy in the world, it is becoming popular to learn a Chinese language. Speaking Modern Standard Chinese will open doors for business and career prospects, not only in China but also in Taiwan and the neighbouring regions. Even at elementary level, knowledge of basic Chinese can serve as an icebreaker, showing the good will of the speaker and thus promote communication and understanding. In addition, learners are pleasantly stimulated and enriched by the ideographic writing system which is unique to Chinese. Knowing this contemporary and yet ancient language opens up the culture of one of the world's oldest civilizations.

The aims of IGCSE Chinese is to :

- Form a sound base of the skills, language required for further study and leisure
- Offer insights into the culture and civilization of China and Chinese speaking countries
- Develop a fuller awareness of the nature of language and language learning
- Provide enjoyment and intellectual stimulation.

IGCSE Mandarin Chinese 0547

- 1. Prerequisite: Minimum of Years 9 and 10 Chinese*
- 2. Grades available: A* to G*
- 3. IGCSE Foreign Language Mandarin Chinese is not examined in the October/November Session. Students will therefore sit IGCSE examinations in June 2012 then prepare to sit the AS Chinese examinations in June 2013.*

Course content:

1. Listening: Students should be able to demonstrate understanding of specific detail in formal public announcements, short conversations and interviews; they should identify important points of themes and draw conclusions from the material.
2. Reading and directed writing: Students should be able to demonstrate understanding of words within a wide range of texts, including magazines and newspapers, and an ability to identify the important points within an extended piece of writing.
3. Speaking: Performance of role-playing tasks which involves taking the initiative, responding to questions and adapting to the needs of the audience and the situation.
4. Continuous Writing: The expression of thoughts, feelings and opinions in order to interest, inform or convince. Demonstration of adequate control of vocabulary, syntax and grammar, punctuation and spelling.

Assessment:

Title	Weight	Length	Coursework
Paper 1 Listening	25%	35 mins	-
Paper 2: Reading and directed writing	25%	1 hr 30 mins	-
Paper 3 Speaking	25%	15 mins	-
Paper 4 Continuous writing	25%	1 hr 15 mins	-

AS Chinese 8681

- *Pre-requisites: IGCSE Chinese Grade B or above*
- *Grades available: A to E*
- *This course runs over two years July 2012 – November 2013*

The Chinese Language syllabus at this level aims to develop the ability to understand the language from a variety of registers and to enable students to communicate confidently and clearly in the target language. It develops insights into the culture and civilisation of the countries where the language is spoken, and forms a sound base of skills, language and attitudes required for further study, work and leisure. The course will also encourage positive attitudes to language learning and a sympathetic approach to other cultures and civilisations and will further intellectual and personal development by promoting learning and social skills.

Course content:

This course will develop the students' linguistic competence and their knowledge of contemporary society by requiring them to:

- Understand and respond to texts written in Chinese, drawn from a variety of sources such as magazines, newspapers, reports, books and other forms of extended writing.
- Manipulate Chinese accurately in spoken and written forms to demonstrate a capacity to choose appropriate examples of lexis and structures.
- Select information and present it in Chinese and to organise arguments and ideas logically.

AS Assessment

Title	Weight	Length	Coursework
Examination: Paper 2: Reading & Writing	70%	1 hr 45 mins	-
Examination: Paper 3: Essay	30%	1 hr 30 mins	-

Although pupils will be required to practise their speaking skills during the course, Paper 1 (Speaking) is not available at AS level for Chinese.

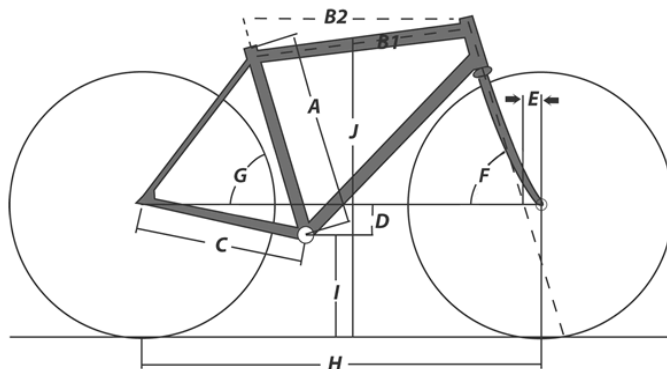
Essay options in 2013 will be:

- Food and drink
- The developing world
- Travel and tourism
- Generation gap
- Equality of opportunity

FACULTY OF MATHEMATICS

“Mathematics, rightly viewed, possesses not only truth, but supreme beauty - a beauty cold and austere, like that of sculpture.”

Bertrand Russell British author, mathematician, & philosopher (1872 - 1970)



Students studying Mathematics acquire a range of mathematical skills, particularly those which will enable them to use applications of mathematics in the context of everyday situations and of other subjects they may be studying.

They develop the ability to analyse problems logically, recognise when and how a situation may be represented mathematically, identify and interpret relevant factors and, where necessary, select an appropriate mathematical method to solve a problem.

Students learn to use mathematics as a means of communication with emphasis on the use of clear expression and acquire the mathematical background necessary for further study in this or related subjects.

Students will be encouraged to develop their mathematical knowledge and skills in a way which encourages confidence and provides satisfaction and enjoyment. They will develop a feel for numbers and for patterns and relationships in Mathematics. There will be a strong emphasis on solving problems and presenting and interpreting results. Students will be encouraged to communicate clearly and reason logically using mathematical concepts.

The Mathematics syllabus aims to encourage students to make use of Mathematics in other subjects and to provide a firm foundation for the further study of Mathematics and other disciplines.

Students who wish to continue Mathematics to AS/A Level need to study the Extended IGCSE Mathematics course.

IGCSE Mathematics 0580

- *There are two options at this level: Extended and Core*
- *Students wishing to continue on to study AS Mathematics must study the Extended course at this level*
- *For IGCSE Mathematics Extended, grades A* to E are available, and for IGCSE Mathematics Core grades C to G are available*
- *The minimum numeracy requirement for New Zealand University entry is a D grade in the Core Programme.*

Assessment:

Core Curriculum

Title	Weight	Length	Coursework
Examination: Paper 1: Short Answers	35 %	1 hr	-
Examination: Paper 3 Structured Questions	65 %	2 hrs	-

Extended Curriculum

Title	Weight	Length	Coursework
Examination: Paper 2: Short Answers	35 %	1 hr 30 mins	-
Examination: Paper 4: Structured Questions	65 %	2 hrs 30 mins.	-

Students will sit two papers comprising either the Core option (Papers 1 and 3) or the Extended option (Papers 2 and 4).

A/AS Level Mathematics 9709

- *Students may study AS Mathematics (1 year) or complete AS and A2 Mathematics which together comprises a full A Level course. The A Level course would be completed over 2 years.*

AS Mathematics

- *Pre-requisite: IGCSE Mathematics (Extended), Grade B or above*

Course Content

- Unit P1: Pure Mathematics 1
- Unit S1: Probability and Statistics

AS Assessment:

Title	Weight	Length	Coursework
Examination: Paper1: Pure Mathematics P1	60%	1hr 45 mins	-
Examination: Paper 2: Probability & Statistics S1	40%	1 hr 15 mins	-

A2 Mathematics

- *Pre-requisites: AS Mathematics*

Course content:

- P3: Pure Mathematics 3
- S2: Probability and Statistics 2

A2 Assessment:

Title	Weight	Length	Coursework
Examination: Pure Mathematics: P3	60%	1hr 45 mins	-
Examination: Probability and Statistics: S2	40%	1hr 15mins	-

AS / A2 course weightings for A Level Mathematics

Course:	Proportion of overall A-Level Grade
AS course	50%
A2 course	50%

A2 Mathematics in Year 12. Then what?

Kick start your university qualifications while still at school

Suitable students can enroll in the MAX programme MATHS 153 run by the University of Auckland.

MAX stands for **Mathematical Acceleration and eXtension**. The programme is designed for high school students who enjoy academic challenge, who have shown themselves to be very able mathematicians and who can handle a solid workload.

MAX operates in the first semester and is worth 15 points towards a university course, the equivalent of the first year engineering mathematics course ENGSCI 111 (Mathematical Modelling 1) and to the first year mathematics course MATHS 150 (Advancing Mathematics 1). Students who pass MATHS 153 will be eligible to enrol in any of ENGSCI 211, MATHS 250 or MATHS 208 when they become full time students.

Who is eligible for the MAX programme?

Admission to the MAX programme requires the consent of the UoA Department of Mathematics.

Consent will be given to any student currently at high school who:

- has an A in CIE A2 Mathematics
- and has a strong recommendation from their school's Head of Mathematics
- The University's global requirements must also be met. To be eligible to enrol at the University of Auckland under Discretionary Entrance Regulations, intending students:
 - must be New Zealand or Australian citizens or have Permanent Residence status;
 - must have 8 credits in reading and writing at level 2 from English or Te Reo;
 - and must have a positive recommendation from their school principal as to maturity
 - International students who have full university entrance qualifications, are eligible to enrol in the Max Programme.

How to enrol

An application form (available through ACG Parnell College or from the University of Auckland, Department of Mathematics) must be completed and students apply to enter the university under Discretionary Entrance Regulations. The university applications should be made before the end of the school year.

Students are welcome to telephone or email MAX staff for advice.

- Wendy Stratton (Coordinator) stratton@math.auckland.ac.nz tel 3737599 ext 85757.

Fees

The MAX course is outside ACG Parnell College and a fee does apply. In 2011 the course will cost about \$560 (not including text books and some course material).

Applying for the course does not commit you to doing it, and nor is your application accepted until after your satisfactory school results have been sent to the Max coordinator. All other documents should be sent in before mid December.

Assessment

In 2011 the final grade will be calculated from the best of:

- 60% from the final examination and 25% from the test, with assignments contributing 15%; or
- 85% from the final examination, with assignments contributing 15%
- **Tutorials:**
Tutorials occur every week except the first. They carry no marks at all, but are a major part of learning and all students are expected to make a determined effort to solve the given problems, preferably with a group of other students.

If you are interested, talk with your parents and let your mathematics teacher know.

FACULTY OF PHYSICAL EDUCATION

“Exercise alone provides psychological and physical benefits. However, if you also adopt a strategy that engages your mind while you exercise, you can get a whole host of psychological benefits fairly quickly.” James Rippe, M.D.

Courses offered in Physical Education at ACG Parnell College include:

- **Physical Education: IGCSE, AS, A2**

Physical Education is an integral part of the educational process, where concepts and selected activities contribute to the physical, intellectual, socio-emotional and spiritual development of every student.

Physical Education is not only about life-long participation, but also the development of specialist scientific knowledge, such as sports psychology, exercise physiology, sports nutrition and biomechanics. There is no other subject in which you will learn more about the human body. Skill development and analysis of performance will foster positive attitudes and a lifetime interest towards physical activity. The wide range of skills learnt can lead to a variety of exciting vocations, from sports medicine, law and psychology to sports management, outdoor recreation and coaching.



IGCSE Physical Education 0413

- *There are no prerequisites*
- *Grades available: A* to G*
- *This course leads to AS-Physical Education*

Course content:

Aims:

- To improve student's ability to plan, perform, analyse and improve, and evaluate physical activities.
- To improve student's knowledge, skills and understanding of a range of relevant physical activities.

Coursework assesses candidates' physical performance, including an ability to interrelate planning, performing and evaluating whilst undertaking activity and the ability to analyse and improve their own and others' performance in four practical activities each worth 15% of the syllabus total.

The four practical activities will be chosen from the following activities:

- Golf
- Tennis
- Volleyball
- Weight training for fitness
- Personal survival (in aquatics)
- Badminton
- Swimming
- Netball
- Campcraft
- Individual sport of choice

Assessment:

Title	Weight	Length	Coursework
Component 1 Examination	40%	2hrs	-
Component 2	60%		Made up of four activities each worth 15%. This is internally assessed and externally moderated.

AS Physical Education 9396

- *Prerequisite: recommended to have done IGCSE Physical Education, but not necessary.*
- *Grades available: A to E*

Course Aims:

Students develop and understanding about:

APPLIED ANATOMY AND PHYSIOLOGY

- The Skeletal System
- Muscles
- Heart and Vascular Systems
- Respiratory System

ACQUIRING, DEVELOPING AND PERFORMING MOVEMENT SKILLS

- Definition and characteristics of motor and perceptual skill
- Theories related to the Learning of Motor Skills
- Theory of information processing

CONTEMPORARY STUDIES IN PHYSICAL EDUCATION

- The conceptual basis of Physical Education and Sport
- Achieving Excellence in Sport
- Mass participation in sport
- Factors affecting Participation
- Sporting issues
- The practical units done in this course include Mountain Walking and a sport that you particularly excel at if it is one of the sports supported by CIE

Assessment:

Title	Weight	Length	Coursework
2 Practical Units	10% each		Based on: Applied Anatomy and Physiology. Acquiring, Developing and Performing Movement Skills. Contemporary Studies in Physical Education and Sport.
Analysis and comment	10%		Analysis of Practical Work
Examination	70%	3 hrs	

A2 Physical Education 9396

- *Prerequisite: AS Physical Education*
- *Grades available: A* to E*

Course Aims:

Students develop an understanding about:

- Energy concepts
- Principles of Training:
- Components of Fitness
- Ergogenic Aids

PSYCHOLOGY OF SPORT PERFORMANCE

- Health
- Individual Aspects of Sport Performance
- Group Dynamics and Sport Performance
- Mental Preparation for Sport Performance
- Competition Effects on Sport Performance
- Consequences of Sport Performance

OLYMPIC GAMES: A GLOBAL PERSPECTIVE

The practical units of the course currently involve a camp either in the Tongariro National Park or the Abel Tasman. The second practical is usually the student's choice, and the sport at which they are most proficient is the most obvious choice if possible.

Assessment:

Title	Weight	Length	Coursework
2 Practical Units	10% each		Based on: Applied Anatomy and Physiology. Acquiring, Developing and Performing Movement Skills. Contemporary Studies in Physical Education and Sport.
Videoed Evaluation	10%		Analysis of Practical Work
Examination	70%	3 hrs	

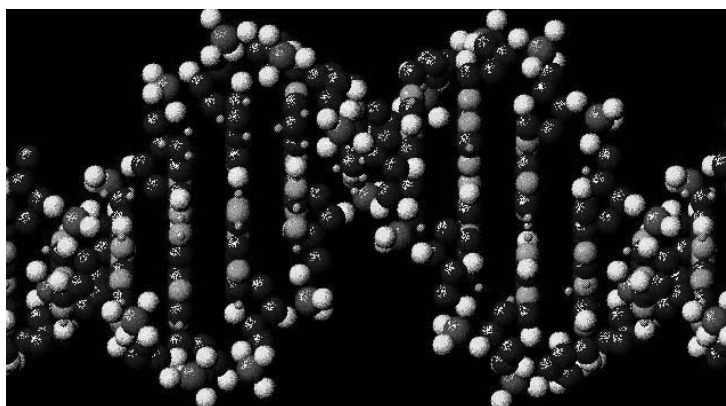
FACULTY OF SCIENCE & TECHNOLOGY

“Science is nothing but developed perception, interpreted intent, common sense rounded out and minutely articulated”. George Santayana

Science and Technology courses offered at ACG Parnell College include:

- **Biology: IGCSE, AS, A Level**
- **Chemistry: IGCSE, AS, A Level**
- **Physics: IGCSE, AS, A Level**
- **Information Technology: IGCSE**
- **Computing: AS, A Level**

BIOLOGY



The study of Biology offers a combination of theoretical and practical studies leading to an understanding of the concerns and basic principles of biology, with emphasis on human biology.

Students will develop scientific abilities and skills relevant to the study of biology in relation to the four main areas of syllabus content. These are: characteristics and classification of living organisms, organisation and maintenance of the organism, development of the organism and continuity of life, and relationships of organisms with one another and with their environment.

The course will stimulate an interest in, and concern for, the environment. It will prepare students to become confident citizens in a technological world, and to take an informed interest in scientific matters; it will also form a basis for more advanced study.

Biology places considerable emphasis on understanding and use of scientific ideas and principles in a variety of situations, including those which are well-known to the learner and those which are new to them.

It is anticipated that programmes of study based on this syllabus will feature a variety of learning experiences designed to enhance the development of skill and comprehension. This approach will focus teachers and learners on development of transferable life-long skills relevant to the increasingly technological environment in which people find themselves. It will also prepare candidates for an assessment that will, within familiar and unfamiliar contexts, test expertise, understanding and insight.

IGCSE Biology 0610

- *This is a one year course preparing students for A / AS Biology*
- *Grades available are: Core: C to G*
Extended: A to G*
- *There are no prerequisites for this course*

Course content:

- Characteristics and Classification of Living organisms
- Organisation and maintenance of the organism
- Development of the organism and the continuity of life
- Relationships of organisms with one another and their environment

Assessment:

Core Curriculum

Title	Weight	Length	Coursework
Examination Paper 1: Multi-choice	30 %	45 mins	-
Examination Paper 2: Core paper	50 %	1 hr 15 mins	-
Examination Paper 6: Alternative to Practical	20 %	1 hr	-

Extended Curriculum

Title	Weight	Length	Coursework
Examination Paper 1: Multiple Choice	30 %	45mins	-
Examination Paper 3: Extended Paper	50 %	1 hr 15 mins	-
Examination Paper 6: Alternative to Practical	20 %	1 hour	-

Examination:

Students will sit three papers comprising either the Core option (Papers 1, 2 and 6) or the Extended option (Papers 1, 3 and 6).

A/AS Level Biology 9700

- *Prerequisite: IGCSE Biology (recommended grade of C or higher)*
- *Grades available: A to E*
- *This is a full A Level course normally completed over 2 years.*

AS Biology

Course content:

- Cell Structure
- Biological Molecules
- Enzymes
- Cell Membranes and Transport
- Cell and Nuclear Division
- Genetic Control
- Transport
- Gas Exchange
- Infectious Disease
- Immunity
- Ecology

AS Assessment:

Title	Weight	Length	Coursework
Examination: Paper 1: Multi-choice	31 %	1 hr	-
Examination: Paper 2: Structured Questions	46 %	1hr 15 min	-
Examination Paper 3: Advanced Practical Skills	23 %	2 hrs	-

Practical Test:

Set and marked by CIE. It will include experiments and investigations based on the AS syllabus, testing the skills of planning, implementing, interpreting and concluding.

A2 Biology

- *Pre-requisites: AS Biology(recommended grade of C or higher)*

Course content:

- Energy and Respiration
- Photosynthesis
- Regulation and Control
- Inherited Change and Gene Technology
- Selection and Evolution
- Biodiversities Conservations
- Gene technology
- Biotechnology
- Crop plants
- Aspects of Human Reproduction

A2 Assessment:

Title	Weight	Length	Coursework
Examination Paper 1:Multi-choice	15%	1 hr	-
Examination Paper 2: Structured Questions	23%	1 hr 15 mins	-
Practical test Paper 3:Advanced Practical Skills	12%	1 hr 15 mins	-
Examination Paper 4: A2 Structured Questions	38 %	2 hours	-
Examination Paper 5: Planning, Analysis, Evaluation	12 %	1 hr 15mins	-

Practical Test:

The practical test is set and marked by CIE comprising 22%of available marks. It will include experiments and investigations based on the AS and A2 syllabus.

AS / A2 course weightings:

Course:	Proportion of overall A-Level Grade
AS course	50%
A2 course	50%

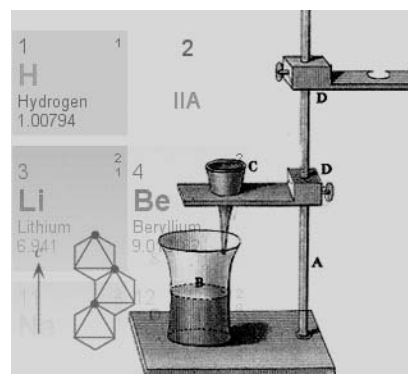
CHEMISTRY

In 1886, John Wesley Hyatt, synthesised the first plastic created in the USA. He was trying to win the \$10,000 first prize for a substitute for the fast vanishing ivory used in the manufacture of billiard balls. Today, tens of thousands of synthetic materials influence the quality of our lives – most for our benefit although there are unfortunately, many notorious exceptions. It would be difficult to imagine life without medicines, fuels, plastics, metals, and antiseptics, to name just a few commodities vital to our lifestyles.

Chemistry is a fundamental branch of science that enables us to understand materials that are an essential part of our everyday lives and leisure. Through the study of Chemistry we are able to appreciate and explain the basic make-up of matter and how substances interact.

Careers: the study of Chemistry can lead to careers in a wide variety of fields including medicine, geology, environmental studies, engineering, food science, forestry, teaching at secondary or tertiary levels, forensic science, dentistry, agricultural science and analytical chemistry.

While Chemistry is an academic subject, it is intrinsically based on laboratory work. Theory is complemented by experiments in which you develop practical skills such as the use of modern laboratory equipment, powers of observation and the ability to communicate results and conclusions. It is recommended that students studying Chemistry have good mathematical skills.



IGCSE Chemistry 0620

- *This is a one year course preparing students for A / AS Chemistry*
- *Grades available: Core: C to G.
Extended: A* to G*
- *There are no prerequisites for this course*

This course is based on experimental work followed by theory supporting the experimental observations. Precision in observing and recording observations is encouraged and as far as possible the topics covered are related to the 'real world'.

Course content:

- The Particulate Nature of Matter
- Experimental Techniques
- Atoms, Elements and Compounds
- Stoichiometry
- Electricity and Chemistry
- Chemical Changes
- Chemical Reactions
- Acids, Bases and Salts
- The Periodic Table
- Metals
- Air and Water
- Sulphur
- Carbonates
- Organic Chemistry

Assessment:

Core Curriculum

Title	Weight	Length	Coursework
Examination Paper 1: Multi-choice	30 %	45 mins	-
Examination Paper 2: Short Answer and Structured Questions	50 %	1. hr 15 mins	-
Examination Paper 6: Alternative to Practical	20 %	1 hr	-

Extended Curriculum

Title	Weight	Length	Coursework
Examination Paper 1: Multi-choice	30 %	45 mins	-
Examination Paper 3: Free-response Questions	50%	1hr 15 mins	-
Examination Paper 6: Alternative to Practical	20 %	1 hr	-

Examination:

Students will sit three papers comprising either the Core option (Papers 1, 2 and 6) or the Extended option (Papers 1, 3 and 6).

A/AS Level Chemistry 9701

- *This is a full A Level course normally completed over 2 years.*
- *Grades available A to E*
- *Pre-requisites: IGCSE Chemistry (recommended grade of C or higher)*

AS Chemistry

Course content:

- Atoms, molecules and Stoichiometry
- Atomic structure
- Chemical bonding
- States of matter
- Chemical energetics
- Electrochemistry
- Equilibria
- Reaction Kinetics
- Inorganic chemistry
- Organic chemistry

AS Assessment :

Title	Weight	Length	Coursework
Examination Paper 1: Multiple Choice	31%	1 hr	-
Examination Paper 2: Structured Questions	46%	1hr 15 mins	-
Examination Paper 3: Advanced Practical Skills	23%	2 hrs	-

A2 Chemistry

➤ *Pre-requisites: AS Chemistry (recommended grade of D or higher)*

Course content:

- Chemical energetics
- Electrochemistry
- Equilibria
- Reaction Kinetics
- Inorganic chemistry
- Organic chemistry
- Applications of Chemistry

A2 Assessment

Title	Weight	Length	Coursework
Examination Paper 4: A2 Structured Questions	38%	1hr 45 mins	-
Examination Paper 5: Planning, Analysis and Evaluation	12%	1 hr 15 mins	-

AS / A2 course weightings:

Course:	Proportion of overall A-Level Grade
AS course	50%
A2 course	50%

PHYSICS

The Physics syllabus offers a combination of theoretical and practical studies leading to an understanding of the basic principles of Physics. Students will develop scientific abilities and skills relevant to Physics. These will be of use in everyday life and, if desired, will form the basis for more advanced study.

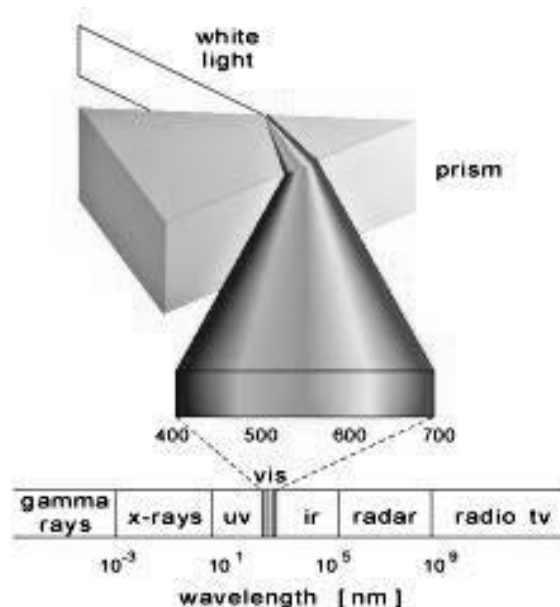
Students will gain awareness of the study and practice of science and will understand that scientific applications have both beneficial and detrimental effects on the individual and the environment.

The course will prepare students to become confident citizens in a technological world, and to take informed interest in scientific matters.

The Physics syllabus will enable students to acquire the knowledge and understanding required to become confident citizens in a highly technological world. Students will develop abilities and skills that are useful in everyday life and develop relevant scientific attitudes such as concern of accuracy and precision, objectivity, enquiry, initiative and inventiveness.

This course seeks to develop an interest in, and care for, the environment in relation to the environmental impact of Physics and its applications. It promotes an awareness that the study and practice of Physics are co-operative and cumulative activities, and are subject to social, economic, technological and cultural influences and limitations.

Students are further made aware that the implications of Physics may be both beneficial and detrimental to the individual, the community and the environment. The use of IT is promoted as an aid to experiments and as a tool for the interpretation of experimental and theoretical results.



IGCSE Physics 0625

- *There are no prerequisites for this course*
- *Grades available: Core: C to G
Extended: A* to G*
- *This is a one year course preparing students for A / AS Physics*

Course content:

- General Physics
- Thermal Physics
- Wave Properties
- Electricity and Magnetism
- Atomic Physics

Assessment:

Core Curriculum

Title	Weight	Length	Coursework
Examination Paper 1: Multiple Choice	30%	45 mins	-
Examination Paper 2: Theory (Core)	50%	1hr 15mins	-
Examination Paper 6: Alternative to Practical	20%	1 hr	-

Extended Curriculum

Title	Weight	Length	Coursework
Examination Paper 1: Multiple Choice	30%	45 mins	nil
Examination Paper 3: Theory (Extended)	50%	1hr 15 mins	nil
Examination Paper 6: Alternative to Practical	20%	1hr	nil

Examination:

Students will sit papers 1, 2 and 6 for the 'core' option or papers 1, 3 and 6 for the 'extended' option.

AS/A Level Physics

- *Pre-requisites: IGCSE Physics (recommended grade of C or higher)*
- *Grades available: A to E*
- *This is a full A Level course normally completed over 2 years.*

AS Physics

Course content:

- General Physics
- Newtonian Mechanics
- Matter
- Oscillations and Waves
- Electricity and Magnetism
- Modern Physics

AS Assessment:

Title	Weight	Length	Coursework
Examination Paper 1: Multiple Choice	31%	1 hr	-
Examination Paper 2: Structured Questions	46%	1 hr	-
Examination Paper 3: Advanced Practical Skills	23%	2 hrs	-

Practical Test:

Set and marked by CIE. It will include experiments and investigations based on the AS syllabus, testing the skills of planning, implementing, interpreting and concluding.

A2 Physics

- *Pre-requisites: AS Physics (recommended grade of D or higher)*

Common Content:

- Non-uniform acceleration
- Thermal physics
- Fields
- Electromagnetic induction and AC
- Modern physics
- Applications of physics

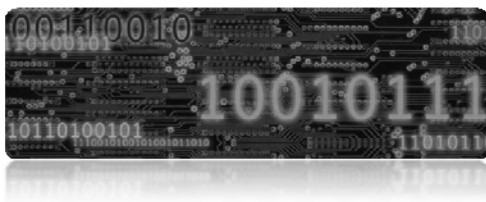
A2 Assessment

Title	Weight	Length	Coursework
Examination Paper 4: A2 Structured Questions	38%	1hr 45 mins	-
Paper 5: Planning, Analysis and Evaluation	12%	1hr 15 mins	-

AS / A2 course weightings:

Course:	Proportion of A-Level Grade
AS course	50%
A2 course	50%

INFORMATION & COMMUNICATIONS TECHNOLOGY / COMPUTING



Through the study of these subjects students will grow in their awareness of how applications are used in the workplace, and will consider the impact of new technologies on methods of working and on social, economic, ethical and moral issues.

Students will find their developing skills are useful to them in their work across the curriculum and will prepare them for future employment.

The IGCSE Information and Communications Technology (ICT) course combines a number of practical and theoretical units of study. The practical topics focus on enhancing student skills in commonly-used software applications such as word processing, spreadsheets, interactive presentations, databases, electronic mail, web browsers, image manipulation and website design.

The aims of the A-Level Computing courses are to develop an in-depth understanding of how computers work, how software is created and the implications of computer use. The principles of systems analysis and design are integral to the practical application of computer programming skills. Students will also learn how to program in Microsoft Visual Basic .Net 2010, and thereby develop original software applications.



The pathways offered to students in the ICT and Computing faculty are:

- IGCSE ICT
- AS Computing
- A2 Computing (full A-Level)

IGCSE ICT (0417)

- There are no prerequisites for this course
- Grades available: A* to G
- A one-year course that prepares students for AS and A2 Computing

- Students need their own laptop for this course, which runs Microsoft Windows operating system and Microsoft Office Professional 2010. Please see Miss Smith for queries about hardware and software requirements. Students are able to purchase the necessary software at discounted rates. Apple computers are not suitable for this course.

- Laptop and software requirements (Note: a netbook is *not* sufficient for this course)
 - Minimum 2GB RAM, 2.0GHz processor
 - Microsoft Windows: XP, Vista or Windows 7
 - Microsoft Office 2007 Professional: Word, PowerPoint, Excel, Access, OneNote

What's in the course?

The IGCSE ICT curriculum is split between eight theory units and eight practical units. The theory units cover a wide range of topics, including:

- Types and components of computer systems
- Input and output devices
- Storage devices and media
- Computer networks
- Data types
- The effects of using ICT
- The ways in which ICT is used
- Systems analysis and design

The practical units cover core skills in a range of software applications, including:

- Communication
- Document production
- Data manipulation
- Integration
- Output data
- Data analysis
- Website authoring
- Presentation authoring

How is IGCSE ICT assessed?

Your CIE mark for IGCSE ICT is comprised of three examinations: two practical assessments and one written paper.

Paper	Focus	Length	Marks	Weighting
Paper One	Theory	2 hours	100 marks	40%
Paper Two	Practical	2.5 hours	80 marks	30%
Paper Three	Practical	2.5 hours	80 marks	30%

Who would benefit from taking IGCSE ICT?

The IGCSE ICT course appeals to all students, regardless of their interest in computers and associated technology.

The IGCSE ICT programme also provides an excellent base for students wanting to progress to A-Level Computing.

AS Computing (9691)

- There are no prerequisites for this course although IGCSE ICT is highly recommended. Please see Miss Smith with any queries
- Can be taken as a one-year course for the AS Computing qualification
- Contributes to the two-year A-Level (A2) qualification in Computing
- A laptop running the Windows operating system is required for this course. Apple computers are not suitable. Please see Miss Smith for hardware and (free) software requirements.

What is in the AS Computing course?

The theory component of the course builds on the knowledge gained in IGCSE ICT, but it takes a more in-depth examination of how computers work. Topics include:

- Components of a computer system and modes of use
- System software
- Data: its representation, structure and management
- Hardware
- Data transmission and networking
- Systems development life cycle
- Choosing appropriate applications software
- Handling of data in information systems
- Designing the user interface
- Logic gates

The practical component of the course focuses on learning how to program in Visual Basic .Net 2010. Students do not need programming experience to take this course. Topics include:

- Designing solutions to problems
- The structure of procedural programs
- Data types and data structures
- Common facilities of procedural languages
- Writing maintainable programs
- Testing and running a solution

Paper	Focus	Length	Marks	Weighting
Paper One	Written	1.5 hours	75 marks	50% AS grade
Paper Two	Written	2 hours	75 marks	50% AS grade

A2 Computing (9691)

- Students **must** have gained a minimum D grade in AS Computing
- Completes the two-year A-Level (A2) qualification in Computing

- **A laptop running the Windows operating system is required for this course. Apple computers are not suitable. Your computer from AS Computing can be used for A2 Computing as well.**

What is in the A2 Computing course?

The A2 Computing course comprises two papers:

- Systems software mechanisms, machine architecture, database theory, programming paradigms and integrated information systems (exam)
- Computing project (coursework)

Theory topics include:

- The functions of operating systems
- The functions and purposes of translators
- Computer architectures and the fetch-execute cycle
- Data representation, data structures and data manipulation
- Programming paradigms
- Databases
- Simulation and real-time processing
- Networking

The computing project requires students to develop a software application for a client / third party. The project allows students to use systems analysis and design principles, as well as developing skills in project management.

Paper	Focus	Length	Marks	Weighting
Paper Three	Written	2 hours	90 marks	60% A2 grade
Paper Four	Coursework	Year-long project	60 marks	40% A2 grade

