



NEWTON COLLEGE

Founded 1979

Form IV IB Options 2012

Contents

Page 2	Overview of the Options Process	
Page 3	Group 2	English A
Page 4		Language B English
Page 5	Group 1	Spanish A
Page 6	Group 5	SL Mathematics
Page 7		HL Mathematics
Page 8		Mathematical Studies
Page 9	Group 4	Biology
Page 10		Chemistry
Page 11		Physics
Page 12	Group 3	ITGS
Page 13		History
Page 14		Geography
Page 15		Economics
Page 16	Group 6	French B
Page 17		Music
Page 18		Visual Arts
Page 19		Theatre Arts

Overview of the Options Process

The purpose of this option booklet is to guide you through the options policy and procedure and help you make informed choices for your Form V IB courses.

From Form III to Form IV you have followed IGCSE courses in a wide range of subjects where you have enjoyed a degree of choice from mainly social sciences and Arts subjects. This is still the case.

IB Course Selection

All students must choose six subjects, one from each of the following subject groups:

Group 1: Language A, or best language
Spanish or English (The Language A course is a Literature course.)

Group 2: A Second Modern Language
English (A or B only), or French B

Group 3: Individuals and Societies
History, Geography, Economics, or ITGS

Group 4: Experimental Sciences
Physics, Chemistry or Biology

Group 5: Mathematics
Mathematics HL/SL or Mathematical Studies (SL)

Group 6: Arts & Electives
Visual Arts, Theatre Arts, Music or another subject from Group 3 or 4.

Unless indicated, each course is offered at both Higher Level (HL) and Standard Level (SL).

Note: No student may choose the same subject twice at different levels.

How do I decide?

- You must be aware of the requirements for any career or further study you have in mind.
- Think about the sort of person you are, what you enjoy doing and what you are confident in.
- You should discuss your choices with your parents, subject teachers and your Form Tutor.

After you have made your option choices on the form provided, you should return this to your Form Tutor by Fri 17th June.

Please bear in mind that the timetable must be planned in such a way as to make reasonably economic use of staff and resources, so you may not get all your option choices.

C. Abbott
IB/IGCSE Coordinator

ENGLISH A Language and Literature

What will I study?

The course will be divided between the study of literature and the study of cultural options such as media and culture and global issues. The literary texts will be taken from different genres and will be mainly contemporary and modern classics.

Skills I will learn

You will learn to:

1. Communicate clearly, fluently and effectively in a wide range of situations;
2. Understand and use an extensive range of vocabulary and idiom;
3. Select a register and style that are consistently appropriate to the situation;
4. Express ideas with clarity and fluency;
5. Structure arguments in a focused, coherent and persuasive way, and support them with relevant examples;
6. Assimilate and make use of complex written and spoken texts;
7. Engage in detailed, critical examination of a wide range of texts in different forms, styles and registers;
8. Appreciate the subtleties of technique and style employed by writers and speakers of the language;
9. Show sensitivity to the culture(s) related to the language.

How is the course assessed?

You will be required to take two papers:

Paper 1 (2 hours) Comparative Commentary - 25%

You will write an analysis comparing and contrasting the techniques and rhetorical devices used by the writers of two different texts.

Paper 2 (2 hours) Essay - 25%

You will write one essay from either the literary or cultural options.

Oral - 30%

Inter-Active Oral - 15%

This will be based on the cultural option you are studying and will take the form of a role play, an interview, a debate or an organized discussion.

Individual Oral - 15%

This is based on the literary options. At the end of the second year you will be given an excerpt from one of the texts you have studied for oral analysis, followed by a discussion with your teacher/examiner.

Written Tasks – 20%

You will do two written tasks; one based on a literary text and one on a cultural option. As well as showing your understanding of the subject you will write in a specific style and for a specific audience and purpose.

What could I do next?

A2 English prepares you with a sound foundation for studying at universities in Peru or any part of the world.

Head of Department: Mrs. M. Petrozzi

LANGUAGE B ENGLISH

What will I study?

You will study a number of topics and themes which will allow you to practice and develop your reading, writing, speaking and listening skills in English. You will also study texts that reflect the English speaking culture.

Skills I will learn

You will learn to:

1. Communicate and use accurately oral and written forms of the language that are essential for effective communication in a range of styles and situations;
2. Understand and use a wide range of vocabulary;
3. Select a register and style that are appropriate to the situation;
4. Express ideas with general clarity and fluency;
5. Structure arguments in a clear, coherent and convincing way;
6. Understand and analyse moderately complex written and spoken material;
7. Assess subtleties of the language in a wide range of forms, styles and registers;
8. Show an awareness of, and sensitivity to, the culture(s) related to the language studied.

How is the course assessed?

Written Component 70%

Paper 1: Text Handling - 1hr. 30 mins - 40%

Reading 30%

You will be tested on your ability to read and handle information from a range of texts.

Written Response 10%

You will be expected to use the language and information given in a source text, and integrate them in your response in order to communicate to a specific audience.

Paper 2: Written Production 1hr. 30 mins. - 30%

You will be tested on your ability to communicate accurately for a range of purposes, using your cultural awareness and personal experience.

Oral Component 30%

Individual Oral 15%

This will be an interview based on material of your choice followed by a discussion between you and the teacher.

Interactive Activity 15%

This may be a group or pair activity based on a range of material in English and related to the English speaking culture(s) studied.

What could I do next?

Language B prepares you with a sound foundation for using English at university, at work, in social relationships and for discussing abstract ideas.

Head of Department: Mrs. M. Petrozzi

ESPAÑOL A

¿Qué estudiaré?

Nivel Superior: Lectura y análisis de 15 obras.

Nivel Estándar: Lectura y análisis de 11 obras.

PARTE I: Edipo Rey (Sófocles), Medea (Eurípides), Agamenón (Esquilo) - **(Nivel Superior y Estándar)**

PARTE II: Antología de poetas latinoamericanos, Ética para Amador (Savater), El Ingenioso Hidalgo Don Quijote de la Mancha (Cervantes), Peribáñez y el Comendador de Ocaña (Lope de Vega) – **(Nivel Superior las 4 y Nivel Estándar las 2 primeras).**

PARTE III: La ciudad y los perros (M.V. Llosa), Pedro Páramo (Juan Rulfo), Demian (Herman Hesse), Como Agua para Chocolate (Laura Esquivel) – **(Nivel Superior las 4 obras; Nivel Estándar las 3 primeras).**

PARTE IV: Cien años de Soledad (G.G. Márquez), El Lazarillo de Tormes (Anónimo), Metamorfosis (kafka), Los Cachorros (M.V.Llosa) – **(Nivel Superior las 4; Nivel Estándar las 3 primeras).**

Habilidades que aprenderé

- Leer comprensivamente.
- Analizar y comentar textos de diversos géneros, cultura y extensión.
- Redactar ensayos: plantear hipótesis, sustentar ideas.
- Asociar ideas relacionando obras por géneros, estilos, temas.
- Emitir juicios críticos y/o valorativos.
- Expresarse en forma oral y escrita con precisión, propiedad, orden de ideas, ortografía, vocabulario y sintaxis adecuados.

¿Cómo se evalúa este curso?

NIVEL SUPERIOR	TIPO DE EVALUACIÓN	% NOTA TOTAL
2 ensayos sobre Parte I del Programa	Externa	20%
Examen Oral grabado sobre Parte II y IV del programa.	Interna y moderado externamente	30%
Examen Final escrito (Parte III del programa)	Externa	50%
NIVEL ESTÁNDAR	Igual, en todo pero sólo 1 ensayo.	

¿Qué puedo hacer después?

Las destrezas de lectura, análisis, capacidad crítica, habilidad de redacción y expresión con propiedad y orden de ideas así como la investigación, son útiles para a vida de relación en general y en particular, para cualquier carrera que el alumno emprenda, pero imprescindibles en los de letras como: Derecho, Psicología, Economía, Pedagogía, Ciencias de la Comunicación, etc.

Jefe de Departamento: Sra. L. Bernedo

STANDARD LEVEL MATHEMATICS

What will I study?

Core Topics

1. Algebra
2. Functions & Equations
3. Trigonometry
4. Vectors
5. Statistics & Probability
6. Calculus

Skills I will learn:

- Read, interpret and solve a given problem using appropriate mathematical terms
- Organize and present information and data in tabular, graphical and/or diagrammatic forms
- Know and use appropriate notation and terminology
- Formulate a mathematical argument and communicate it clearly
- Select and use appropriate mathematical strategies and techniques
- Demonstrate an understanding of both the significance and the reasonableness of results
- Recognize patterns and structures in a variety of situations, and make generalizations
- Recognize and demonstrate an understanding of the practical applications of mathematics
- Use appropriate technological devices as mathematical tools including graphics calculators
- Demonstrate an understanding of and the appropriate use of mathematical modelling.

How is the course assessed?

- a 1 ½ hour non calculator exam: 40%
- a 1 ½ hour calculator exam: 40%
- 2 internal assessment portfolios: 20%

How will this course be useful to me in the future?

A pass at Standard level mathematics will demonstrate that you have the basic mathematical knowledge, skills and good algebraic techniques you need to enter university to study mathematics based courses such as Engineering and sciences.

Head of Department: Mr. K. Thompson

HIGHER LEVEL MATHEMATICS

What will I study?

Core Topics

1. Algebra
2. Functions & Equations
3. Trigonometry
4. Matrices
5. Vectors
6. Statistics & Probability
7. Calculus

Options

8. Further Statistics & Probability or
9. Sequences & Differential Equations

Skills I will learn:

- Read, interpret and solve a given problem using appropriate mathematical terms
- Organize and present information and data in tabular, graphical and/or diagrammatic forms
- Know and use appropriate notation and terminology
- Formulate a mathematical argument and communicate it clearly
- Select and use appropriate mathematical strategies and techniques
- Demonstrate an understanding of both the significance and the reasonableness of results
- Recognize patterns and structures in a variety of situations, and make generalizations
- Recognize and demonstrate an understanding of the practical applications of mathematics
- Use appropriate technological devices as mathematical tools including graphics calculators
- Demonstrate an understanding of and the appropriate use of mathematical modeling

How is the course assessed?

- a 2-hour non calculator exam: 30%
- a 2-hour calculator exam: 30%
- a 1-hour option exam: 20%
- 2 internal assessment portfolios: 20%

How will this course be useful to me in the future?

A pass at Higher level mathematics will demonstrate to any university or any employer that you have a wide knowledge of the subject with excellent algebraic skills and can handle any university course that has a high mathematics content such as Engineering, Sciences etc.

Head of Department: Mr. K. Thompson

MATHEMATICAL STUDIES

What will I study?

Core Topics

1. Graphs and Graphical Calculators
2. Number & Algebra
3. Sets, Logic & Probability
4. Functions
5. Geometry & Trigonometry
6. Statistics
7. Introductory Calculus

Skills I will learn:

- Read, interpret and solve a given problem using appropriate mathematical terms
- Organize and present information and data in tabular, graphical and/or diagrammatic forms
- Know and use appropriate notation and terminology
- Formulate a mathematical argument and communicate it clearly
- Select and use appropriate mathematical strategies and techniques
- Demonstrate an understanding of both the significance and the reasonableness of results
- Recognize patterns and structures in a variety of situations, and make generalizations
- Recognize and demonstrate an understanding of the practical applications of mathematics
- Use appropriate technological devices as mathematical tools including graphics calculators
- Demonstrate an understanding of and the appropriate use of mathematical modeling.

How is the course assessed?

- a 1 ½ hour exam short questions: 40%
- a 1 ½ hour exam long questions: 40%
- 1 mathematics project: 20%

How will this course be useful to me in the future?

This course is to help students who do not want to take their mathematical studies further after leaving school in Peru. It is to ensure they have a good practical base that can be used in everyday life after school or in the work place. It has a high practical content but does not prepare students for university in Peru. It can be used as part of the IB diploma to enter foreign universities for students studying courses that have no or a little Maths content.

Head of Department: Mr. K. Thompson

BIOLOGY

What will I study?

Core Syllabus (80 hours), studied at both HL and SL, includes:

- Statistical Analysis
- Cells
- The Chemistry of Life
- Genetics
- Ecology and Evolution
- Human Health and Physiology

Advanced Higher Level (55 hours), studied at HL only, includes:

- Nucleic Acids and Proteins
- Cell Respiration and Photosynthesis
- Plant Science
- Genetics
- Human Health and Physiology

Options (HL: 44 hours; SL: 30 hours). Those studied at Newton include:

- Human Nutrition and Health
- Ecology and Conservation
- Evolution

Skills I will learn

You will develop (in the field of Biology):

- An understanding of scientific facts, concepts and techniques.
- An ability to apply scientific facts, concepts and techniques.
- An ability to carry out scientific investigations, including the personal and manipulative skills that are required for this.
- An understanding of the meaning of science in its ethical, environmental, economic and philosophical implications.

How is the course assessed?

Higher Level

- Paper 1 – 40 Mult. Choice Qs (20%)
- Paper 2 – Data based, short answer and extended response Qs (36%)
- Paper 3 – Qs on Options (20%)
- Internal Assessment (including Field Trip to Tambopata and Group 4 Project) - 24%

Standard Level

- Paper 1 – 30 Mult. Choice Qs (20%)
- Paper 2 - Data based, short answer and extended response Qs (32%)
- Paper 3 – Qs on Options (24%)
- Internal Assessment (including Field Trip to Tambopata and Group 4 Project) - 24%

How will this course be useful to me in the future?

The list of careers that Biology is required for or is useful for is long. It includes:

- Agronomy / Agriculture
- Medicine
- Dentistry
- Biotechnology
- Forestry
- Teacher
- Marine Biology
- Ecotourism
- Sport Science
- Forensic Science
- Nutrition
- Research scientist

Head of Department: Dr V. Ash

CHEMISTRY

What will I study?

Core (80 hours) and Advanced (55 hours) Syllabus, studied at both HL and SL, includes:

- Chemical Maths
- Atomic Structure
- Electronic Structure
- Periodic Table
- States of Matter, particularly Gas
- Energetics
- Reaction Kinetics
- Chemical Equilibria
- Acid/Base behavior
- Organic Chemistry

Options (HL: 44 hours; SL: 30 hours). Those studied at Newton include:

- Human Biochemistry
- Environmental Chemistry

Skills I will learn

In a chemical context you will develop:

- An understanding of scientific facts, concepts and techniques.
- An ability to apply scientific facts, concepts and techniques.
- An ability to carry out scientific investigations, including the personal and manipulative skills that are required for this.
- An understanding of the meaning of science in its ethical, environmental, economic and philosophical implications.

How is the course assessed?

Higher Level

- Paper 1 – 40 Mult. Choice Qs (20%)
- Paper 2 – Data based, short answer and extended response Qs (36%)
- Paper 3 – Qs on Options (20%)
- Internal Assessment (Practical Work & Group 4 Project) - 24%

Standard Level

- Paper 1 – 30 Mult. Choice Qs (20%)
- Paper 2 - Data based, short answer and extended response Qs (32%)
- Paper 3 – Qs on Options (24%)
- Internal Assessment (Practical Work & Group 4 Project) - 24%

How will this course be useful to me in the future?

The list of careers that Chemistry is required for or is useful for is long. It includes:

- Agronomy / Agriculture
- Medicine
- Dentistry
- Biochemistry
- Environmental Chemistry
- Medical Research
- Forensic Science
- Chemical Engineering
- Forensic Science
- Nutrition
- Biotechnology
- Forestry
- Teaching

Head of Science: Dr V. Ash

Head of Chemistry: Mr. P. Biggs

PHYSICS

What will I study?

Core Syllabus (80 hours), studied at both HL and SL, includes:

- Physics and Measurement
- Mechanics
- Thermal Physics
- Energy and Climate Change
- Waves
- Electricity and Magnetism
- Atomic Physics
- Motion in Fields

Advanced Higher Level (55 hours), studied at HL only, includes:

- Thermodynamics
- Electromagnetic Induction
- More Wave Phenomena
- Quantum and Nuclear Physics
- Digital Technology

Options (HL: 44 hours; SL: 30 hours). Those studied at Newton include:

- Astrophysics
- Relativity

Skills I will learn

You will develop (in the field of Physics):

- An understanding of scientific facts, concepts and techniques.
- An ability to apply scientific facts, concepts and techniques.
- An ability to carry out scientific investigations, including the personal and manipulative skills that are required for this.
- An understanding of the meaning of science in its ethical, environmental, economic and philosophical implications.

How is the course assessed?

Higher Level

- Paper 1 – 40 Mult. Choice Qs (20%)
- Paper 2 – Data based, short answer and extended response Qs (36%)
- Paper 3 – Qs on Options (20%)
- Internal Assessment (including the Group 4 Project) - 24%

Standard Level

- Paper 1 – 30 Mult. Choice Qs (20%)
- Paper 2 - Data based, short answer and extended response Qs (32%)
- Paper 3 – Qs on Options (24%)

Internal Assessment (including the Group 4 Project) - 24%

How will this course be useful to me in the future?

The list of careers that Physics is required for (or is useful for) includes:

- Civil Engineering
- Mechanical Engineering
- Electrical/Electronic Engineering
- Medical Technology
- Astronomy
- Music
- Forensic Scientist
- Space Scientist / Astronaut
- Telecommunications
- Physicist
- Teacher
- Architecture

Head of Science: Dr V. Ash

Head of Physics: Mr. C. Stapleton

TECNOLOGÍA DE LA INFORMACIÓN EN UNA SOCIEDAD GLOBAL																										
<p>¿Qué estudiaré? Nivel Superior y Nivel Medio; Idiomas Español e Inglés</p> <p>Sección 1: Cuestiones sociales y éticas Confiabilidad, integridad, seguridad, privacidad y anonimato, autenticidad, propiedad intelectual, igualdad de acceso, control, globalización y diversidad cultural, políticas y normas, personas y máquinas.</p> <p>Sección 2: Sistemas de TI en un contexto social 2.1 Elementos básicos: hardware y redes: fundamentos de sistemas, redes 2.2 Aplicaciones: fundamentos de software, bases de datos y hojas de cálculo, procesamiento de textos y autoedición, imágenes, sonido y presentaciones, modelos y simulaciones, tutoriales, capacitación y asistentes 2.3 Sistemas de comunicación: internet, comunicaciones personales y públicas 2.4 Sistemas integrados: robótica, Inteligencia artificial y sistemas expertos</p> <p>Sección 3: Áreas de impacto Empresas y empleo, educación, salud, arte, entretenimiento y ocio, ciencias y medio ambiente, política y gobierno.</p>																										
<p>Habilidades que aprenderé</p> <ul style="list-style-type: none"> • Llegar a comprender las ventajas y desventajas de las nuevas tecnologías como métodos de ampliar nuestro conocimiento del mundo a nivel local y mundial. • Fomentar una comprensión de las repercusiones sociales de las tecnologías de la información para individuos, comunidades y organizaciones. • Diseñen y apliquen soluciones de TI. 																										
<p>¿Cómo se evalúa este curso?</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 60%;"></th> <th style="width: 20%; text-align: center;">Nivel Superior</th> <th style="width: 20%; text-align: center;">Nivel Medio</th> </tr> </thead> <tbody> <tr> <td>Evaluación externa</td> <td></td> <td></td> </tr> <tr> <td>Prueba 1 (prueba común)</td> <td style="text-align: center;">20%</td> <td style="text-align: center;">25%</td> </tr> <tr> <td>Prueba 2</td> <td style="text-align: center;">35%</td> <td style="text-align: center;">45%</td> </tr> <tr> <td>Prueba 3 (caso de estudio)</td> <td style="text-align: center;">25%</td> <td></td> </tr> <tr> <td>Evaluación interna</td> <td></td> <td></td> </tr> <tr> <td>Portafolios (3 trabajos escritos)</td> <td style="text-align: center;">20%</td> <td></td> </tr> <tr> <td>Proyecto</td> <td></td> <td style="text-align: center;">30%</td> </tr> </tbody> </table>				Nivel Superior	Nivel Medio	Evaluación externa			Prueba 1 (prueba común)	20%	25%	Prueba 2	35%	45%	Prueba 3 (caso de estudio)	25%		Evaluación interna			Portafolios (3 trabajos escritos)	20%		Proyecto		30%
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<p>Jefe de Departamento: Sr. W. Zaldívar</p>																										

HISTORY

What will I study?

You will cover (in greater depth) some familiar topics of 20th century history, for example, “Peacekeeping and conflict from 1918 to 1939” and “The Cold War”, and study some new themes of 20th century history like “The causes, practices and effects of wars” (which will include the First and Second World Wars) and “The origins and development of totalitarian states” (such as the dictatorships of Stalin in the USSR and Mao in China). In addition you will focus on a major event of 20th century history: “The Russian Revolution” and learn about historiography (the study of historical knowledge.)

Skills I will learn

You will develop an understanding of major historical events and developments in a global context and, thereby, an empathy with people living in different periods and societies than your own. This will help you to understand the world we live in by being internationally aware and by relating contemporary circumstances to their historical origins. In addition, you will learn about history as a discipline of knowledge by interpreting, comparing and critically evaluating its sources of evidence. Furthermore, you will become an adept reader, capable of selecting and deploying detailed information, and a sophisticated writer of logical explanations and well-substantiated arguments.

How is the course assessed?

Most of the skills and themes of IB History are the same for both HL and SL students. Both HL and SL students take Paper 1 (a document-based examination) and Paper 2 (a thematic essay-based examination). HL students are required to study topics in greater depth and, therefore, they take an additional essay-based paper (Paper 3) in which they demonstrate their ability to synthesize and critically evaluate knowledge. Both HL and SL students must undertake coursework for internal assessment. This is an historical investigation of a topic in which they are particularly interested and for which they must consult a wide range of sources. For HL students, the coursework investigation accounts for 20% of the final grade; for SL students it is worth 25%.

How will this course be useful to me in the future?

A student of history has polished intellectual skills and a sharp understanding of human behaviour. The subject provides a springboard for university careers in law, international relations, politics, journalism, administration, personnel and information management, consultancy, diplomacy, public relations, education and philosophy.

Head of Department: Mr. H. Collier

GEOGRAPHY

What will I study?

Core Syllabus (70 hours), studied at both HL and SL, includes:

- Populations in transition
- Disparities in wealth and development
- Patterns in environmental quality and sustainability
- Patterns in resource consumption

Optional Themes (30 hours each theme)

Two optional themes are required at **SL**

Three optional themes are required at **HL**

- Freshwater – Issues and Conflicts
- Oceans and their coastal management
- Extreme Environments
- Hazards and Disasters
- The Geography of Food and Health

Higher Level Extension (60 hours). Compulsory for only Higher Level students.

- Measuring global interactions
- Changing Space – the shrinking world
- Economic interactions and flows
- Environmental change
- Sociocultural exchanges
- Political outcomes
- Global interactions at the local level

Fieldwork (20 hours). Compulsory for both HL and SL students.

- An investigation into the features of the Sachovocayoc stream, Madre de Dios, Peru.

Skills I will learn

1. To use and apply geographical terminology.
2. To demonstrate an understanding of geographical concepts and theories.
3. To apply geographical methodologies and techniques relevant to geographical inquiry.
4. To read, interpret, analyse and produce maps.
5. To read, interpret and construct graphs.
6. To apply statistical analysis.
7. To manipulate and interpret data using quantitative techniques.

How is the course assessed?

Higher Level

- Paper One (1hr 30mins) worth 25%
- Paper Two (2hrs and 30mins) worth 35%
- Paper Three (1 hour) worth 20%
- Internal Assessment (2500 word written assessment from Tambopata) worth 20%

Standard Level

- Paper One (1hr 30mins) worth 40%
- Paper Two (1hr and 30mins) worth 35%
- Internal Assessment (2500 word written assessment from Tambopata) worth 25%

How will this course be useful to me in the future?

Geography equips you with a plethora of skills desirable by universities and employers.

Potential jobs include: weather presenter, disaster manager, flood prevention officer, risk assessor, environmental engineer, aid worker, diplomat, charity coordinator, refugee advisor, hydrologist and many, many more.

Head of Department: Mr. M. Eames

ECONOMICS
<p>What will I study?</p> <ul style="list-style-type: none">• Introduction to economics• Microeconomics• Macroeconomics• International economics• Development economics
<p>Skills I will learn</p> <p>Economics provides you with knowledge and understanding of how the world works as well as the skills of application, analysis and evaluation. Once you learn how to think like an economist you will apply it to everything you do - reading the newspaper, watching TV, attending classes, and even going on a date. "Economics is a good subject for developing personal transferable skills. It is intellectually robust and of contemporary relevance. It can prepare students for very high-powered jobs that can be rewarding financially and intellectually. Many of my peers have excellent, demanding and rewarding jobs. I was stimulated particularly by the study of industrial economics, game theory, collusion and government versus market forces"</p> <p style="text-align: right;">-David, economics graduate</p>
<p>How is the course assessed?</p> <p>Higher Level</p> <ul style="list-style-type: none">• Paper 1 – 1 hour (1 essay out of a choice of 4) – 20%• Paper 2 – 1 hour (3 short answers out of a choice of 6) – 20%• Paper 3 – 2 hours (3 data response questions out of a choice of 5) – 40%• Internal assessment – (a portfolio of 4 commentaries) – 20% <p>Standard Level</p> <ul style="list-style-type: none">• Paper 1 – 1 hour (1 essay out of a choice of 4) – 25%• Paper 2 – 2 hours (3 data response questions out of a choice of 5) – 50%• Internal assessment – (a portfolio of 4 commentaries) – 25%
<p>How will this course be useful to me in the future?</p> <p>Economics graduates are employed in a range of posts which may, or may not, be related to the discipline they studied. They work in manufacturing, transport, communications, banking, insurance, investment and retailing industries, as well as in government agencies, consulting and charitable organisations. In all these settings, employers value economics graduates' understanding of decision-making, their research and analytical skills, and their experience of viewing problems in their national and international context.</p>
<p>Head of Department: Sra. Ana Maria Remuzgo</p>

FRANCÉS B

¿Qué estudiaré?

Este curso se ofrece únicamente a:

- Los alumnos que han logrado el DELF A2 o IGCSE Core con la nota C, para Standard Level.
- Los alumnos que han logrado el DELF A2 con una nota superior a 80 o el IGCSE extended, para High Level

El curso se dicta siete periodos de 40 minutos durante dos años.

Al final del segundo año, los estudiantes deberán rendir su examen de IB French Standard o High Level.

Está basado en la comunicación y pone énfasis en las cuatro habilidades, comprensión y expresión oral y escrita, así como en el conocimiento, el razonamiento y el espíritu crítico. También se pone el acento sobre la importancia de una cultura de paz a través del respeto a las diferentes culturas, razas y religiones y de la responsabilidad en la sociedad, promoviendo así la solidaridad y el crecimiento personal. Propone una variedad de temas para desarrollar de una manera completa todas las habilidades requeridas en el programa IB lengua B.

Habilidades que aprenderé

Los estudiantes consolidarán sus habilidades orales a través del análisis, comentario y crítica de textos culturales y generales. Leerán y escribirán una variedad de textos aprendiendo a usar correctamente el léxico, el registro de lengua y la gramática adecuada.

En High Level, se espera una expresión oral fluida, tomando en cuenta los registros de lengua, expresiones idiomáticas, buena estructura sintáctica y referencias literarias. También se hará mucho hincapié en la literatura francófona y el análisis de textos literarios.

¿Cómo se evalúa este curso?

Nivel intermedio

Evaluación externa:	Componente escrito	70%
	Prueba 1 lectura interactiva (1h30)	40%
	Lectura	30%
	Respuesta escrita	10%
	Prueba 2: Producción escrita (1h30)	30%
Evaluación interna:	Componente oral	30%
	Oral individual	15%
	Actividad oral interactiva	15%

Nivel superior

Evaluación externa:	Componente escrito	70%
	Prueba 1 lectura interactiva (1h30)	40%
	Lectura	30%
	Respuesta escrita	10%
	Prueba 2: Producción escrita (1h30)	30%
Evaluación interna:	Componente oral:	30%
	Oral individual:	15%
	Actividad oral interactiva	15%

¿Qué puedo hacer después?

Después del inglés, el francés es un “plus” necesario para todos los trabajos en empresas.

Sirve particularmente en negocios y relaciones internacionales, diplomacia, turismo, profesorado y medicina.

Hay que recalcar que los estudios en Francia con un bachillerato internacional (French B) son de alto nivel y particularmente económicas.

Jefe de Departamento: Sra. C. Alvan

MÚSICA
<p>¿Qué estudiaré?</p> <ul style="list-style-type: none">• Jazz, Pop, Música Académica y Música del Mundo• Apreciación musical• Composición• Instrumento
<p>Habilidades que aprenderé</p> <ul style="list-style-type: none">• Estudio, aplicación y análisis por medio de la teoría musical.• Estudio y análisis de dos obras prescritas.• Estructuras y formas musicales a través de los diversos períodos históricos de la cultura occidental.• Reconocimiento auditivo de estilos y géneros. Instrumentos musicales. Conocimiento de compositores y sus principales obras.• Estudio de la música popular de diversos géneros y regiones del mundo, incluido el rock y otros géneros occidentales, sus instrumentos, sistemas tonales y rítmicos, estilos y contextos.• Investigación sobre música de dos culturas diferentes.• Composición a partir de elementos musicales e improvisaciones.• Técnica e interpretación instrumental.• Práctica instrumental en conjuntos. <p>El curso de música desarrolla la lógica, capacidad de análisis, audio-perceptiva, creatividad, atención y concentración, coordinación, trabajo de equipo. Permite una interacción social importante entre los miembros de la agrupación musical, así como una canalización apropiada de la carga emocional del alumno. Requiere de un alto nivel de madurez y responsabilidad ya que exige autodeterminación y perseverancia en la práctica instrumental.</p>
<p>¿Cómo se evalúa este curso?</p> <p>El examen de IB consiste en:</p> <ol style="list-style-type: none">1. Evaluación externa 50% (Higher Level y Standard Level)<ul style="list-style-type: none">• Examen de descripción y análisis de obras con o sin partitura (30%)• Investigación musical (20%)2. Evaluación Interna 50% <p>Higher Level</p> <ul style="list-style-type: none">• Interpretación instrumental individual 25%• Composición 25% <p>Standard Level</p> <ul style="list-style-type: none">• Elegir uno entre Interpretación individual, interpretación grupal o composición.
<p>¿Qué puedo hacer después?</p> <p>Carreras de músico profesional en:</p> <ul style="list-style-type: none">• Interpretación• Conducción de orquestas, bandas y otros conjuntos• Composición y arreglos musicales• Musicología y etnomusicología• Educación musical• Producción musical para radio, tv, cine, grabaciones, espectáculos musicales, teatro, danza, etc.• Ingeniería de sonido <p>Tener un hobby o afición, que complementa la formación cultural y espiritual, así como un canal de expresión y crecimiento emocional, a nivel personal y social.</p>
<p>Jefe de Departamento: Dr. Roberto González</p>

ARTES VISUALES

¿Qué estudiaré?

Los objetivos generales de Artes Visuales en el NS y el NM son permitir a los alumnos:

- Investigar formas de artes visuales del pasado, del presente y emergentes, y participar en su producción, apreciación y evaluación
- Desarrollar la comprensión de las artes visuales desde una perspectiva local, nacional e internacional
- Ganar la confianza necesaria para responder de manera visual y creativa a experiencias personales y culturales
- Desarrollar las habilidades y la sensibilidad para crear trabajos que reflejen una participación activa e individual
- Responsabilizarse de la dirección de su propio aprendizaje mediante la adquisición de métodos de trabajo eficaces.

Habilidades que aprenderé

1. Responder y analizar crítica y contextualmente la función, el significado y las cualidades artísticas de obras de arte del pasado, del presente y emergentes, usando para ello el vocabulario específico de las artes visuales.
2. Desarrollar y presentar ideas y trabajos independientes, y explicar las relaciones entre ellos y la obra de otros artistas.
3. Explorar y desarrollar ideas y técnicas de trabajo de taller mediante la integración del estudio contextual y la observación directa.
4. Desarrollar y mantener una estrecha relación entre la investigación y el proceso, creativo y orientado a un fin determinado, inherente al trabajo de taller.
5. Producir trabajos de arte que tengan un significado personal y que demuestren el estudio de ideas que reflejen sensibilidad cultural e histórica.
6. Desarrollar y demostrar competencia técnica y cualidades artísticas que cuestionen y trasciendan los límites personales (opción A), y competencia técnica y autonomía.

¿Cómo se evalúa este curso?

Hay tres cursos en Artes Visuales:

- **HL Artes Visuales:** 18 trabajos artísticos (60%) y una carpeta de investigación (40%).
- **SL A Artes Visuales:** 12 trabajos artísticos (60%) y una carpeta de investigación (40%).
- **SL B Artes Visuales:** 12 trabajos artísticos (40%) y una carpeta de investigación (60%).

¿Cómo va a servirme este curso en el futuro?

- Desarrolla habilidades transdisciplinarias para carreras como ingeniería y medicina, además de estar vinculados directamente a arquitectura, diseño, artes, estudios culturales, antropología, sociología, historia y todas las humanidades.
- Las artes visuales crean continuamente nuevas posibilidades y pueden cuestionar las barreras tradicionales. Esto se hace evidente en la forma en que creamos arte y en la manera en que comprendemos lo que hacen artistas de todo el mundo. La teoría y la práctica de las artes visuales son dinámicas, cambiantes y relacionan diversas áreas de estudio y de la experiencia humana mediante la producción y la interpretación tanto individuales como colectivas. Las nuevas formas de expresión contribuyen a que las artes visuales sean una de las áreas de aprendizaje y experiencia más interesantes y estimulantes. Los procesos de diseño y creación de arte requieren una considerable actividad cognitiva tanto a nivel intelectual como a nivel afectivo. La dedicación a las artes promueve el sentido de identidad de cada alumno y contribuye de manera especial a su proceso de aprendizaje a lo largo de toda la vida. Estudiar artes visuales proporciona a los alumnos la oportunidad de desarrollar una visión crítica y muy personal de sí mismos en relación con el mundo.

Jefe de Departamento: Sr. M. García

THEATRE ARTS

What will I study?

- Theatre in the making – develop action plans for performance out of different stimuli
- Theatre in performance – participate in 3 performances assuming different roles (acting, directing, designing, play writing)
- Theatre around the world – study three contrasting theatrical practices
- Independent project – devising a play

Skills I will learn

- Develop your sensitivity and imagination.
- Enhance your self-confidence and self-esteem.
- Develop self-discipline and concentration.
- Perform successfully in front of an audience.
- Develop the confidence to explore, experiment and work on innovative projects which involve challenging notions and conventions of theatre.
- Communicate effectively and interact assertively with others.
- Apply the different elements required to produce successful plays.
- Understand and appreciate a variety of theatrical performances.
- Make informed reflections about artistic processes and products.

How is the course assessed?

External Assessment: 50%

- Research Investigation (about an aspect of an unfamiliar theatre tradition): 25%
- Practical Performance Proposal (to stage a prescribed text): 25%

Internal Assessment: 50%

- Theatre Performance and Production Presentation (about the skills acquired): 25%
- Independent Project Portfolio (explaining the process): 25%

How will this course be useful to me in the future?

The course provides essential tools for the development of interpersonal skills that will make a difference in your future life as a professional, **whatever career you choose**.

Head of Department: Mr. R. Sánchez-Piérola