International School of Western Australia

LOTE & Electives Application

KG - Y10 Language Choice		
Child 1:	Spanish / French	Beginner / Intermediate / Advanced
Child 2:	Spanish / French	Beginner / Intermediate / Advanced

Y7 - 10 Elective Choice			
	Year Group	Elective 1	Elective 2
Child 1:			
Child 2:			

Y7 - 10 Elective Options		
Year 7	**Semester 1**	**Semester 2**
Option A	Music	Digital Design
Option B (Must be taken for the whole year)	Pre-Algebra	Pre-Algebra
Year 8	**Semester 1**	**Semester 2**
Option A	Digital Design	Music
Option B (Must be taken for the whole year)	Algebra I	Algebra I
Year 9	**Semester 1**	**Semester 2**
Option A	Public Speaking	Global Citizenship
Option B (Must be taken for the whole year)	Geometry	Geometry
Year 10	**Semester 1**	**Semester 2**
Option A (Must be taken for the whole year)	Careers in Energy	Careers in Energy
Option B (Must be taken for the whole year)	Algebra II	Algebra II

Y7 - 10 Compulsory Learning Areas

1. English (Language & Literature) - Language, Literature and Literacy
2. Languages (Language Acquisition) - French & Spanish
3. Mathematics - Number & Algebra, Measurement & Geometry, Statistics & Probability
4. Humanities and Social Sciences (Individuals and Societies) - Geography, Economics, History, Civics and Citizenship
5. Sciences - Chemistry, Biology, Physics and Earth & Space Sciences
6. The Arts - Visual Arts & Drama
7. Technologies (Design, Digital technologies, and Design & Technology) - Robotics & Coding, Engineering, Dimensional, Media, Graphic & Environmental
8. Health & Physical Education - Personal, Social & Community Health, Movement & Physical Activity

Elective Explanations

In Years 7-10, students requiring U.S. mathematics credits have the option to study additional **U.S. Mathematics Programmes (Pre-Algebra, Algebra I, Geometry, Algebra II)**.

In Year 8 High School Algebra 1 expands on content taught in Year 7, with a fundamental change being the increased exposure to abstract concepts with an algebraic focus. A range of numerical and algebraic skills are developed, including solving equations, calculating with percentages, using ratios and rates, and identifying and describing linear relationships. Applications of algebra in broader contexts of geometry, finance and statistics are also explored. Problem solving strategies and mathematical investigation techniques are emphasized throughout the curriculum delivery and integrated in the learning, development, and discovery of new mathematical concepts. Cooperative learning is encouraged when investigating and constructing new concepts.

In Year 9 all students complete 1 semester each of Drama & Art. They then have the choice to complete an extra "World Studies" class or "Mathematics" class thorough the year.

Public Speaking

Students learn a range of effective verbal and non-verbal techniques to conduct themselves in an appropriate manner whilst presenting to others. They will explore a combination of topics, issues and situations, in which they will discuss, debate and persuade. The course is designed to build confidence, stage presence and to provide students with a variety of opportunities for self- expression.

Global Citizenship

Global Citizenship is a simulation of the UN General Assembly through a creative forum of role play and debate. Students step into the shoes of country ambassadors and draw on negotiation and diplomacy skills to ensure their views are heard. The objective is to teach the students to use problem solving skills to think critically about world issues and global citizenship. In doing so, students will improve their public speaking, writing and communication skills, increase their self-confidence and develop a capacity for leadership. Students will gain experience in working as part of a team to solve global challenges, which will open their eyes to the power of the international community to make change when working in cooperation.

Geometry

The High School Geometry course provides students with a mathematical language for describing the world around them, and an ability to use geometric properties and relationships in understanding spatial settings, solving problems, and in forming conjectures and developing arguments to support them. Topics include congruence and similarity in triangles, classification of quadrilaterals, simple trigonometry, transformations and symmetry, and measurement of area and volume. Problem solving strategies and mathematical investigation techniques are continually emphasised throughout the curriculum delivery and integrated in the learning, development and discovery of new mathematical concepts. This unit prepares students to undertake HS Algebra II as well as further mathematical study in upper school.

In Year 10 all students complete 1 semester each of Drama & Art. They then have the choice to complete an extra "Social Sciences" class or "Mathematics" class throughout the year.

Algebra II

Building on the Pre-Algebra, Algebra 1 and Geometry courses, Algebra II is a Year 10 Mathematics course designed to prepare students for the transition into IBDP, AP or High School Year 11 Maths courses. The course is designed to teach students how to communicate mathematical reasoning and ultimately to develop a passion for mathematics. In addition, students will improve their ability to construct formal and logical arguments in algebraic settings and problems. Topics studied include Functions, Equations & Graphs, Linear Systems, Matrices, Quadratics, Polynomials, Radical Functions, Exponentials and Logarithms, Rational Functions, Sequences and Series, Probability and Statistics, Periodic Functions and Trigonometry.

Careers in Energy

Students will study a total of five units covering a wide range of topics relating to the LNG industry and will learn about the history of the industry and its global networks. Students will develop a knowledge of the essential skills and work requirements for a career in this sector and understand the practical application of Chevron's work safety program. The course will also explore the broad range of career options available within the oil and gas industry in Western Australia.