

**Pre-IB Curriculum Map
2019/2020**

	Skills	Content	Concepts
English	<p>Receptive Skills: students develop sensitivity to formal and aesthetic qualities of texts; students develop an understanding of relationships between texts and multiple perspectives, cultural contexts and global and local issues</p> <p>Productive Skills: students present ideas in written and oral form; students construct and support arguments; grammar and academic writing conventions</p> <p>Interactive Skills: students develop skills in orally exchanging ideas and participating in class discussion (speaking and listening)</p>	<ul style="list-style-type: none"> - Review of Grammar and punctuation - Academic Writing and the Analytical Essay - Text Types: Review Article, Blog, Letter - 1 novel and selection of poetry 	<ul style="list-style-type: none"> - The relationship between form and content - Aesthetic qualities of texts
History	<p>Sources Identify primary/ secondary sources: values and limitations; Find sources and navigate notes and bibliography for further research; Create guided reading questions to read for understanding; Take notes for essays and revision purposes.</p> <p>Writing Analyse several types of essay questions and create essay plan accordingly; Write paragraph using P-E-E-L structure; Use language that communicates critical analysis.</p>	<ul style="list-style-type: none"> - Second Wave Colonialism: Africa - WWI: Fall of Empires - Great Depression: Global - WWII: Germany, Italy, Japan 	<ul style="list-style-type: none"> Cause Consequence Perspectives Change
Critical Thinking	<p>General Research, analyse and evaluate information Develop and justify a line of reasoning Reflect on processes and outcomes Communicate information and reasoning Collaborate to achieve a common outcome</p>	<ul style="list-style-type: none"> - Globalisation - Demographic Change - Digital World - Human Rights - Poverty and Inequality - Migration - Education 	<ul style="list-style-type: none"> Cause Issue Consequence Course of Action Perspectives

<p>Physics</p>	<p>General Scientific Skills</p> <ul style="list-style-type: none"> • understand and appreciate science and its implications • consider science as a human endeavour with benefits and limitations • cultivate analytical, inquiring and flexible minds that pose questions, solve problems, construct explanations and judge arguments • develop skills to design and perform investigations, evaluate evidence and reach conclusions 	<p>P1 Motion P2 Work, energy and power P3 Thermal physics P4 Properties of waves, including light and sound P5 Electricity and magnetism P6 Electric circuits P7 Electromagnetic effects P8 Atomic physics</p>	
<p>Chemistry</p>	<ul style="list-style-type: none"> • build an awareness of the need to effectively collaborate and communicate • apply language skills and knowledge in a variety of real-life contexts • develop sensitivity towards the living and non-living environments • reflect on learning experiences and make informed choices. 	<p>C1 The particulate nature of matter C2 Experimental techniques C3 Atoms, elements and compounds C4 Stoichiometry C5 Electricity and chemistry C6 Energy changes in chemical reactions C7 Chemical reactions C8 Acids, bases and salts C9 The Periodic Table C10 Metals C11 Air and water C12 Sulfur C13 Carbonates C14 Organic chemistry</p>	
<p>Biology</p>		<p>B1 Characteristics of living organisms B2 Cells B3 Biological molecules B4 Enzymes B5 Plant nutrition B6 Animal nutrition B7 Transport B8 Gas exchange and respiration B9 Coordination and response B10 Reproduction</p>	

		<p>B11 Inheritance B12 Organisms and their environment B13 Human influences on ecosystems</p>	
<p>Mathematics</p>	<p>Mathematical Investigation:</p> <ul style="list-style-type: none"> - plan an investigation using mathematical skills - collect, present and analyse data - justify conclusions - reflect on the whole process. 	<p>Number & Algebra</p> <ul style="list-style-type: none"> - number, measurement and calculation systems - algebraic expressions, equalities and inequalities - surds - sets. <p>Functions</p> <ul style="list-style-type: none"> - graphing linear and quadratic functions - mappings. <p>Geometry & Trigonometry</p> <ul style="list-style-type: none"> - Pythagoras' theorem - line segments in the Cartesian plane - angle measurement, compass directions - right-angled triangle trigonometry - geometric transformations - circles - perimeter and area of plane figures - volumes and surface areas of simple 3-D shapes. <p>Statistics & Probability</p> <ul style="list-style-type: none"> - collection and presentation of data - simple statistics from discrete data - probabilities of simple events - Venn diagrams - tree diagrams. <p>Calculus</p> <ul style="list-style-type: none"> - speed as a function of distance and time. 	