



### DCIS Year 12 IB Curriculum Map 2020-21

	Term 1.1	Term 1.2	Term 2.1	Term 2.2	Term 3.1	Term 3.2
<b>English</b> SL Language and Literature	Poetry: Wilfred Owen  The Language of War and Conflict  Global issues: justice, peace Gender, disability, conflict, power, peace.	Kendrick Lamar 'Damn'  Global Issues: identity, equality/inequality, discrimination, justice	Paper 1 Exam Skills	Essay writing and language texts  Global Issues: Gender, inequality, conflict, power, identity	Preparation for the Individual Oral	Novel: The Handmaid's Tale  Preparation for the Individual Oral
<b>English</b> HL Language and Literature	Poetry: Wilfred Owen  The Language of War and Conflict  Global issues: justice, peace Gender, disability, conflict, power, peace.	Poetry: Kendrick Lamar 'Damn'  Global Issues: identity, equality/inequality, discrimination, justice  Essay writing and language texts	Drama: Macbeth  Essay writing and language texts	Novel: Human Acts  Global Issues: Gender, inequality, conflict, power, identity	Preparation for the Individual Oral	Novel: The Handmaid's Tale  Preparation for the Individual Oral
<b>Mathematics</b> HL A&A	<b>Number &amp; Algebra</b>	<b>Number &amp; Algebra, Functions</b>	<b>Number &amp; Algebra, Functions</b>	<b>Geometry &amp; Trigonometry, Number &amp; Algebra</b>	<b>Calculus</b>	<b>Calculus</b>
HL A&I	<b>Number &amp; Algebra</b>	<b>Number &amp; Algebra, Functions</b>	<b>Calculus</b>	<b>Calculus, Statistics &amp; Probability</b>	<b>Statistics &amp; Probability,</b>	<b>Number &amp; Algebra, Calculus</b>
SL A&I / A&A	<b>Number &amp; Algebra</b>	<b>Number &amp; Algebra, Functions</b>	<b>Calculus</b>	<b>Calculus, Statistics &amp; Probability</b>	<b>Statistics &amp; Probability,</b>	<b>Number &amp; Algebra, Calculus</b>

<b>Biology</b>	Introduction, Command terms, Diagnostic assessment and feedback Cells and Membranes	Molecules to Metabolism Water, Carbohydrates and Lipids Proteins and Enzymes Metabolism Cell respiration and Photosynthesis	DNA Structure, Replication, Transcription and Translation	Genes and Chromosomes Meiosis Inheritance Genetic modification and Biotechnology, scientific poster assessment	Evidence for evolution Natural selection Classification and Biodiversity Cladistics	Gene pool and Speciation Internal Assessment
<b>Chemistry</b>	Introduction to the particulate nature of matter and chemical change The mole concept Reacting masses and volumes The nuclear atom Electron configuration Periodic table & trends	Ionic bonding and structure Covalent bonding and Structures Intermolecular forces & Metallic bonding Measuring energy changes Hess's Law Bond enthalpies	Collision theory Rates of reaction Equilibrium Theories of acids and bases Properties of acids and bases	The pH scale Strong and weak acids and bases Acid deposition Oxidation and reduction Electrochemical cells	Fundamentals of organic chemistry Functional group chemistry	Uncertainties and errors in measurements and results Graphical techniques Spectroscopic identification of organic compounds EOY MOCK EXAMS
<b>Physics</b>	Motion Forces pSOW Work, energy & power Momentum and impulse	Thermal concepts Modelling a gas (gas laws) Oscillations Travelling waves Wave characteristics Standing waves	Discrete energy and radioactivity (half-life) Nuclear reactions The structure of matter	Energy sources Thermal energy transfer + Assessment Circular motion pSOW Newtons law of gravitation Electric fields	Heating effect of electric currents Kirchoff's laws Electric cells (electric cells) & (internal resistance) Magnetic effects of electric currents	Internal Assessment MOCK PREPARATION EOY MOCK EXAMS
<b>ESS</b>	Environmental Value Systems Species and Population Communities and Ecosystems	Flows of Energy and Matter Water Systems Atmosphere Ozone Destruction Soil Systems	Succession Systems Biomes, zonation and succession Introducing Climate and Essay Question Practice	Biodiversity Investigating Ecosystems - Practical Work Introduction to the IA Zonation	Human Population Dynamics Sustainability Resource Use in Society	Human Systems and Resource Use Energy Choices and Security Revision

<b>Geography</b>	Unit 1 Core: Changing Populations HL Extension Unit 4: Place, Power, Processes	Unit 1 Core: Changing Populations HL Extension Unit 4: Place, Power, Processes	Unit 2 Core: Climate change HL Extension Unit 4: Place, Power, Processes	Unit 2 Core: Climate change HL Extension Unit 5: Development	Core Unit 3: Resource Consumption and Security HL Extension Unit 5: Development	Core Unit 3: Resource Consumption and Security HL Extension Unit 5: Development
<b>History</b>	(Paper 1) Move to Global War IA	Move to Global War IA	Authoritarian States – Hitler, Castro & Mao (Paper 2)	Authoritarian States – Hitler, Castro & Mao (Paper 2)	Cold War Paper 2	Cold War Paper 2
<b>Music</b>	<b><u>Development of Harmonic and Melodic Theory and MLI</u></b> Composition activities and exercises.	<b><u>Renaissance and Middle Eastern Music</u></b> The Renaissance influences on Western music World Music – West African Rhythms Middle Eastern Melodies	<b><u>The Baroque Period and Oriental Music</u></b> Music of J.S. Bach, Handel, Purcell, and Vivaldi. Traditional Japanese, Chinese and SEA Music.	<b><u>Performance Recital &amp; Composition</u></b> Solo and Ensemble recital preparation and performances	<b><u>The Classical Period and Latin American Music</u></b> Haydn, Mozart, early Beethoven. Sonata form, and theme & variation. Calypso, Afro-Cuban, Samba, Tango and Andes Music.	<b><u>Early and Late Romantic Period and Gamelan Music</u></b> Wagner, Tchaikovsky Schubert, Debussy 3rd period of Beethoven. Modulation and development of orchestration. Balinese & Javanese cycles and modes.
<b>French</b>	Theme 1 - Identities Who am I? Wellbeing Health	Theme 2 – Experiences Leisure activities Travels Migration	Theme 3 Human Ingenuity Ingenuous ideas and innovations Expressing yourself in a creative way Immersion in the world around us		Theme 4 – Social Organisation Relationships Community Social engagement	Theme 5 – Sharing the planet Being a global citizen The environment on a global level The big environmental challenge
<b>Spanish</b>	Topics covered: Describing myself and others Clothing Daily routine Grammar: definite and indefinite articles, negative constructions, present tense, ser/estar, stem-changing verbs, comparatives	Topics covered: Food and Drink Town and region Weather and Climate Grammar: frequencies, quantifiers, prepositions, key irregular verbs, hacer, preterite tense: regulars	Topics covered: -Transport -Free time activities Grammar: immediate future, conjunctions, imperative, preterite tense: irregulars, gustar	Topics covered: -School life and the importance of education -Cultural celebrations and traditions Grammar: imperfect tense, conditional tense, irregular verbs in a variety of tenses	Topics covered: -Shopping -Health and wellbeing -Diet and lifestyle Grammar: Recap of all past tenses covered, doler, modal verbs	Topics covered: -Social media, relationships, and technology Revision of Year 12 topics and all grammar in preparation for mock examinations

<b>Mandarin</b>	IBDP Language B Theme 1: Identities Unit 1 to 5: Lifestyles, Health and Well-being, Language and Identity, Subcultures, Beliefs and Values		IBDP Language B Theme 2: Experiences Unit 1 to 5: Leisure Activities, Life Stories, Rites of Passage, Customs and Traditions, Migration		IBDP Language B Theme 3: Human Ingenuity Unit 1 to 4: Communication and Media, Artistic Expressions, Entertainment, Science and Technology	
	<b>ITGS</b>	<b>Networking &amp; Security</b> Hardware, architecture, risks to computer systems and the WWW.	<b>Hardware</b> Components, connections, data storage and accessibility	<b>Models &amp; Simulations</b> Forecasting, visualisations and spreadsheets.	<b>Software</b> OS, utility software, software licenses, cloud computing.	<b>Databases</b> Flat vs relational, normalization and creating databases.
<b>Business Management</b>		<b>Business &amp; Employment Part A</b> Traditional and online businesses	<b>Business &amp; Employment Part B</b> Transportation businesses	<b>Environment</b> Data logging, GPS, e-waste, digital divide,	<b>Health Part A</b> Diagnostic and therapeutic tools and medical advice.	<b>Health Part B</b> medical research, psychologic and physical impacts, and accessibility using IT.
	<b>Psychology</b>	Introduction To Psychology Approaches to Research	Approaches to Research	Biological Approach	Biological Approach Cognitive approach	Biological Approach Cognitive Approach End of year Test
<b>Sport Science</b>	Topic 1- Anatomy Topic 2 - Exercise Physiology Topic 3 - Nutrition and Energy systems		Topic 3 - Nutrition and Energy systems Topic 4 - Biomechanics Start the IA - Research question and collect all data		Topic 5 - Skill in sport Topic 6 - Measurement and Evaluation of human performance First full draft of an IA	