

Curriculum Map IBDP Elverum Vgs

IB1 2024-2025

Month	Group 1 Language A		Group 2 Language B		Group 3 Social Sciences			Group 4 Natural Sciences			Group 5 Math		Core
	Norwegian	English	Norwegian	English (not offered this year)	GP	History	Psychology	Biology	Chemistry	Physics	AA	AI	TOK
September	Hans Børli Hvordan kan nærlesning gi oss økt forståelse av litterære tekster? Hvordan behandles temaer som natur, ensomhet og klasse i Hans Børlis lyrikk?	Armitage: How do Simon Armitage's poems explore ethical dilemmas, and how can these be used to question our own moral assumptions and knowledge systems?	Identitet: Hva er norsk kultur?	Identity: Who are those who live in the "shadows" of our society, and what is the impact of this?	Definitions of power Types of power News reports How does power operate on the stage of global politics?	P1: The move to global war Japanese expansion in East Asia 1931-41 <i>What were the origins of Japanese militarism and nationalism?</i>	Research methods What considerations must a psychologist make when setting up a research experiment?	UNITY AND DIVERSITY Molecules and cells: What properties and features of molecules and cells make them essential for life?	Intro to particulate nature of matter: How can we model matter as an assembly of particles? The nuclear atom: What is there inside an atom? What is the difference between subatomic particles?	Kinematics: Motion, Force, Energy How can we model linear motion with constant acceleration? How does the concept of force affect our model of motion?	Number and algebra: What is the link between geometry and trigonometry? What is a logarithm and why do we use it?	Number and algebra: <i>What are some different ways we can communicate numbers?</i> <i>Which ways are practical for which numbers?</i>	Knowledge and the knower: Why should we care about acquiring knowledge?
October	Rishøy: Stargate: Hvordan kan intertekstualitet skape mening i litterære tekster?	Chronicle of a Death Foretold What ethical responsibilities do individuals have in sharing and acting on their knowledge in <i>Chronicle of a Death Foretold</i> ?	Erfaringer: Utenforskap	Identity/Society: To what extent is our treatment of certain groups influenced by our culture/religion?	Actors and stakeholders in global politics (e.g. states, NGOs, IGOs, MNCs, social movements) Which actors exercise power in global politics? What type(s) power do they possess?	P1: The move to global war Italian expansion (1933-1940) <i>What factors encouraged Italy to expand into Ethiopia?</i>	Sociocultural approach to understanding behaviour The individual and the group How do psychologists study the effect of sociocultural factors on human behavior?		Electron Configuration: How to model where electrons are based on their energy state? Mol: How to quantify matter in atomic level? Gas: How can we predict behavior by definition of ideal gas?	Kinematics: Energy Momentum How do we use the concept of energy and work in physics? What is the link between momentum, force and energy?	Functions: What is a mathematical function, and what is not a function?	Functions: <i>How can we convey the relation between two variables?</i>	
November	Fonn: Kinderwhore Hvordan byr litterære tekster på innsikt og utfordringer? Hvordan formidles traumer i Kinderwhore?	The Crucible In what ways does mass hysteria in <i>The Crucible</i> demonstrate the power of collective perception over individual knowledge?	Menneskelig skaperkraft: Hvordan påvirker kunst oss?	Novel: What themes are explored in our novel and how do they relate to our study of identity so far?	Sovereignty Case study: Norway Theories (realism, liberalism) How can the foundational theories be used as lenses for analysis of political phenomena?	P3: Diplomacy in Europe <i>"To what extent did the Paris peace treaties achieve the aims of the peacemakers?"</i>	Sociocultural approach Culture and its effect on behaviour and cognition To what extent is our behavior determined by the society and culture in which we live?	Organisms: What characterizes the diversity and classification of organisms?	Models of structure and bonding: How do elements of matter bond? Ionic bonding Covalent bonding Metallic bonding	Rigid Body Mechanics How do we model circular motion?	Quadratics: How can we use quadratics to model real world situations?	Functions and modelling: <i>How can mathematics be used to model real life phenomena?</i>	Knowledge and technology: In what sense, if any, can a machine be said to know something?
December	Ibsen: Gjengangere: På hvilken måte kan litteratur skape endring?	Visual Art Can our sensory perception of art lead to reliable knowledge, or is it always subjective?	Sosial organisering: Jul og høytid	Identity: Visual Art: How does the artist Matthew Krishanu make a point about race, empire and excluded faces?	Sources of legitimacy Types of states (liberal democracy, theocracy, authoritarianism) Case study: China In the absence of democratic	German expansion (1933 - 1940) <i>Why did Britain pursue a policy of appeasement in response to Germany aggression?</i>	Sociocultural approach Globalization How do psychologists study the effects of globalization on behavior?	Ecosystems: How has evolution resulted in diversity and how can conservations minimize the loss of it?		Rigid Body Mechanics How do we apply the concepts of force, energy and momentum in circular	Functions: What limits a function? When can a function exist and not exist?		AOK: Math: Is absolute certainty attainable in mathematics?

					institutions, what alternative sources are there for legitimacy?					motion compared to linear motion?			
January	Camus: Den fremmede Hvordan utforsker romanen spørsmål om mening og verdier?	The Edible Woman What ethical responsibilities do individuals have in confronting societal norms and expectations in <i>The Edible Woman</i> ?	Identitet: Eventyr og tradisjon	Identity/ Groups living “in the shadows”: How can we meet and dialogue with a local military veteran in a way that helps to integrate this group into the community with the goal of enhancing understanding and healing?	Interdependence Paris Agreement 2016 and climate mitigation strategies What are the main obstacles to effective global governance?	P2: Authoritarian States (20th Century) <i>What were the circumstances in which Hitler became leader of Germany?</i>	Cognitive approach to understanding behaviour Memory What makes the cognitive approach distinctly different from other approaches?	FORM AND FUNCTION Molecules: How does the structure of nutrients explain their function?	From bonding to materials: How do bonding and structure influence material design	Thermal Energy transfers Greenhouse effect: How do energy transfer different in fluids, solids and through vacuum (air)?	Calculus: How can we use functions to approximately and accurately describe change?	Statistics: <i>To what extent can we use mathematics to describe trends and tendencies?</i>	Knowledge and Politics: Why do facts sometimes not change our minds?
February	A.Roy: Guden for små ting Hvordan tilnærmer vi oss tekster fra forskjellige tider og kulturer? Hvordan kan skriving fungere som et verktøy for motstand?	Advertising: To what extent does creativity in advertising enhance or distort knowledge?	Erfaringer: Hvordan former medier våre meniger?	Human Ingenuity What people have created a lasting positive impact in the fields of science, society, technology etc.?	Human rights Concepts of universality vs. Cultural relativism Case study: FGM in Ethiopia How can human rights be protected and enforced?	P2: Authoritarian States (20th Century) <i>How did Mao deal with opposition?</i>	Cognitive approach Memory To what extent are our memories reliable?	Cells: Why are cells structured the way they are?	Periodic table: How to predict Properties of matter based on atomic structure?	Gas Laws Thermodynamic How do we use the concepts of motion, momentum, force and energy to model gases of molecules?	Calculus: How are functions used to model motion?	Statistical Analysis: <i>Can we be certain that a trend is not random? How?</i>	AOK: Art: Who determines what art is valued, and on what criteria?
March	A Roy: Guden for små ting Hvordan utforskes kolonialisme i romanen? Hvor viktig er kulturell kontekst for forståelsen og produksjonen av en litterær tekst?	Human Acts How do emotions shape our understanding of trauma and historical events?	Vår planet: Hvordan samarbeide om å ta vare på planeten?	Human Ingenuity: How can we learn about different text types when we each present our chosen person for our project in this unit? (Paper One)	Peace and conflict Case study: The Syrian Civil War What were the causes and consequences of the Syrian Civil War?	P2: The Cold War: Superpower tensions and rivalries <i>Why did the US and USSR emerge as superpowers in 1945?</i>	Cognitive approach Thinking and decision making What is meant by cognitive misers? How are we influenced by biases in thinking?	Organisms: How is oxygen taken up and transported throughout organisms?	Organic matter classification: Can classification of organic matter help us predict the properties of the matter?	Simple Harmonic motion What signifies a wave motion? What do we need to model a system as a wave?	Probability: How can we use different representations of sample space to investigate probability? Internal assessment	IA and probability: <i>Can anything truly be random? How can we decide the chances of certain events happening?</i>	AOK: Natural Science: Is prediction the primary purpose of scientific knowledge?
April	Adichie: Kvelningsforne mm elser Hvordan reflekterer, representerer eller former litterære tekster innsikt i en annen kultur?	The Awakening How does the novel explore the relationship between self-knowledge and societal expectations?	Erfaring: Norsk historie	Human Ingenuity: How can we maximize language-specific learning as we read a. a columnist and b. a political journalist?	Peacemaking, peacekeeping and peacebuilding How do socioeconomic factors impact conflict dynamics in latent and manifest levels?	P2: The Cold War: Superpower tensions and rivalries <i>What role did reconciliation play in ending the Cold War?</i>	Biological approach Memory and the brain To what extent do physiological processes determine our behavior?	Ecosystems: How are adaptations of species related to their habitats and niches?	Enthalpy: What do thermal changes caused by the reaction tell us? Energy cycles in reactions: How can we predict energy changes based on conservation of the energy?	Waves: Which concepts do we use waves as representations?	Statistics: How can we present a dataset? What information can we draw from a dataset? Internal assessment	IA and probability distributions: <i>How can we use mathematics to describe the probabilities of more complex chains of events?</i>	
May	Adichie: Kvelningsforne mm elser Hvordan nærmer vi oss litterære tekster fra forskjellige tider og kulturer?	Political Speeches: To what extent is political language used to obscure or reveal knowledge?	Sosial organisering: Demokratiet i Norge	Text Types: What are the features of different text types, and which are most suitable depending on the purpose of the text?	Visit to the Nobel Peace Center (Oslo) What is the role of civil society in peacebuilding?	Internal assessment introduced <i>A historical investigation</i>	Internal assessment	INTERACTION INTER-DEPENDENCE Molecules: How is energy obtained and used in cells?	Energy from fuel: How challenging can the harvest of chemical energy be?	Nuclear Physics: What do we actually know about an atom, and how do we model it?	Statistics: How can we deduce correlation between two variables? Internal assessment	Repetition:	Exhibition example: Who owns knowledge?
June							Internal assessment	Cells: What interactions occur in response to chemical/ electrical signals?	Entropy: What determines the direction of a chemical reaction		Number & algebra: What can we discover from number patterns?	Repetition:	

IB2 2024-2025

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	Norwegian	English	Norwegian	English	GP	History	Psychology	Biology	Chemistry	Physics	AA	AI	TOK
September	Frode Grytten: <i>Bikubesong</i> Hva slags funksjon kan intertekstualitet ha i tekster? Hvordan kan nærlesing (nykritikk) gi oss økt forståelse for litterære tekster?	Time and Space: How important is cultural or historical context to the production and reception of a text? How do we approach texts from different times and cultures to our own? Works: Human Acts + Cartoons	Identitet: Språklig mangfold i Norge	Social Organization: Institutions such as marriage, education systems, families: how are they organized and how do they reflect our values?	Contested meanings of development: What do we mean by “development” and who defines it?	IA – first draft P3: Diplomacy in Europe <i>“To what extent did the Paris peace treaties achieve the aims of the peacemakers?”</i>	Biological approach Genetics and behaviour To what extent is human behavior inherited?	Populations and communities Transfer of energy and matter. What are the benefits of models in studying biology?	IA How much? How to define how much product a chemical reaction provides?	Circuits and Currents What is electricity? How do we use the concepts of energy to explain how electricity behaves within a circuit?	Sequences and Series How can we generalize groups of number patterns? How can we use number patterns to investigate real world situations?	Geometry/ Trigonometry: <i>How can geometry and trigonometry allow us to quantify the physical world, and enhance our spatial awareness in two and three dimensions?</i>	AOK: The Natural sciences: How do we know whether a theory is valid?
October	IO	Readers, writers and texts: How do texts offer insights and challenges? Time and Space: How does the meaning and impact of a work change over time? Work: Frankenstein	Erfaringer: Utenforskap	Social Organization: How have artists commented on the institutions mentioned above through poetry, visual art and novel form?	Factors that may promote or inhibit development: What may help or stand in the way of the comprehensive well-being of people, communities and countries?	P3 Inter-war domestic developments in European states (1918-1939): Germany, Italy, Spain, Norway Hitler & Mao as P2 (SL) revision <i>“What were the successes and failures of economic policies in these countries?”</i>	Human relationships formation of personal relationships To what extent is the study of interpersonal relationships valid? Is it possible to apply psychological theory to improve the nature of relationships?	IA Integration of bodysystems Defense against disease. What are the consequences of positive feedback in biological systems?	Kinetics: How can we predict how fast a chemical reaction happens?	Nuclear Physics Radioactive Decay IA	Calculus: Integration How can we anti-differentiate functions? What is the link between the area of functions and the anti-derivative?	Geometry/ Trigonometry: <i>How can geometry and trigonometry allow us to quantify the physical world, and enhance our spatial awareness in two and three dimensions?</i>	AOK: The Human Sciences: How reliable is knowledge about human behavior?
November	Ingvild H. Rishøi: Stargate Hva slags funksjon kan intertekstualitet ha i tekster? Hvordan påvirker strukturen eller stilen til en litterær tekst mening? Hvordan byr litterære tekster på innsikt og utfordringer?	Readers, writers and texts: How does language use vary among text types and among literary forms. How does the structure or style of a text affect meaning? Work: (Language Work?) Mock Orals	Menneskelig skaperkraft: Hvordan påvirker kunst oss?	Sharing the Planet: Human Rights: How have women’s reproductive rights been compromised and how have writers responded to this? Can art be a form of activism for human rights?	Pathways towards development: How can development be pursued?	IA – final upload P3 Inter-war domestic developments in European states (1918-1939): Germany, Italy, Spain, Norway Cold War as P2 (SL) revision	Abnormal psychology Etiology of depression To what extent can we prevent the onset of psychological disorders?	DNA replication Protein synthesis How is genetic continuity ensured between generations?	Equilibrium: How to work with the chemical reactions that work in both directions (reversible reactions)?	Nuclear Physics: Fission, Fusion and Stars Do astronomy and astrophysics qualify as a science?	Calculus: Trigonometric functions How can we use trigonometric functions to model periodic behavior? How do we apply the concepts from calculus to trigonometric functions?	Calculus: <i>Is there a link between the derivative and the rate of change, and how can we interpret the meaning of this in context?</i>	TOK Essay

