

International Baccalaureate Course Offerings 2018-2019

John Adams High School, SBCSC



Use this document to help select your IB Diploma or Course pathway and classes.

IB Diploma checklist

Do I have a class for each group (pie piece)?

- _____ Group 1: Language & Literature
- _____ Group 2: Language Acquisition
- _____ Group 3: Individuals & Societies
- _____ Group 4: Sciences
- _____ Group 5: Mathematics
- _____ Group 6: Arts OR an ADDITIONAL Group 2-4

Do I have at least 3 but no more than 4 Higher Level (HL) classes? I will have to score an average of 4 on all of these assessments, so these should be the classes I enjoy and feel strongest in. I will take these classes in both Grade 11 and 12.

1. _____
2. _____
3. _____
4. (not required) _____

Do I have enough Standard Level (SL) classes to make six IB classes in all?

I will have to score an average of 4 on all of these assessments, too. Unless I have a Spanish class, I will take all of these classes in either Grade 11 or 12. All IB Spanish classes are two years.

Grade 11	Grade 12
Optional	Optional

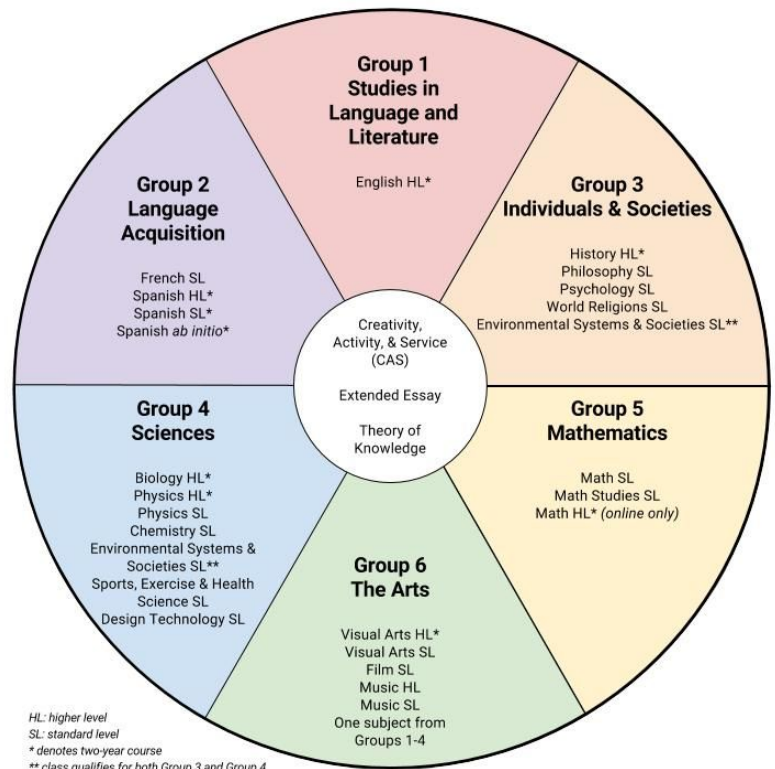
Am I scheduled for TOK?

- _____ Class of 2019: Fall 2018
- _____ Class of 2020: Spring 2019 & Fall 2019

IB Course Certificate checklist

Am I scheduled for ANY IB class and will I see it through to completion? I will have to complete all components of the assessment and score at least a 4 on the assessment for the class in order to receive an IB Course Certificate, so these should be the classes I enjoy and feel strong in. I can take these classes and possibly do CTE, if I want. I cannot receive a Course Certificate in Spanish *ab initio*.

Grade 11	Grade 12
Optional	Optional
Optional	Optional
Optional	Optional
Optional	Optional
Optional	Optional



IB PATHWAY

Select your pathway using this as a guide. Highlight or circle the classes you've already taken, and the ones you would like to take. If you are an IB Diploma student, make sure you have at least 3 HL classes.

	9TH GRADE		10TH GRADE		11TH GRADE		12TH GRADE	
	FALL	SPRING	FALL	SPRING	FALL	SPRING	FALL	SPRING
Group 1	English 9 Honors/Adv		English 10 Honors/Adv		English HL 11456H & 11478H			
Group 2	Spanish I		Spanish III		Spanish HL 27412H & 27434H			
	Spanish II		Spanish III		Spanish SL 2727S & 2729S			
	ELECTIVE	ELECTIVE	Spanish I		Spanish ab initio 2731S & 27456S			
	Heritage		Heritage		Spanish HL 27412H & 27434H			
	French I		French II		French III 20256		French SL 20271	
Group 3	World History (AP)		Government	Economics	History HL 5131H & 5133H			
					Philosophy SL 52512S		Philosophy SL 52512S	
					Psychology SL 55234S		Psychology SL 55234S	
					World Religions SL 48334S		World Religions SL 48334S	
					Environmental Systems SL 43312S		Environmental Systems SL 43312S	
					(AP) U.S. History		ELECTIVE	
Group 4	Biology Honors		Chemistry (Honors)		Biology HL 40334H & 40356H			
					Chemistry SL 44356S		Chemistry SL 44356S	
					Design Technology SL		Design Technology SL	
					Environmental Systems SL 43312S		Environmental Systems SL 43312S	
			Anatomy & Physiology		Sports & Exercise Science SL 40078S		Sports & Exercise Science SL 40078S	
			Physics		Physics SL 46312S		Physics SL 46312S	
				Physics HL 46312H & 46334H				
Group 5	Algebra I Honors		Geometry Honors		Algebra II Honors 32412A		Math Studies SL 33434I	
	Geometry Honors		Algebra II Honors 32412A		Pre-Calculus Honors Adv. 35334A		Math SL 3345I	
	Algebra II Honors 32412A		Pre-Calculus Honors Adv. 35334A		Math SL 3345I		Math Studies SL 33434I	
	Pre-Calculus Honors Adv. 35334A		AP Calculus 35412A		Math SL 3345I		ELECTIVE	
					Math HL (online only) 2582 & 2584		ELECTIVE	
Group 6	Intro to 2D Art	Intro to 3D Art	Ceramics I 60412 Photography I 6001 Drawing I		Visual Arts HL 60912H & 60934H			
			Advanced 2D		Advanced 3D		Visual Arts SL 60812S & 60834S	
	ELECTIVE		ELECTIVE		Music SL		Music SL	
	ELECTIVE		ELECTIVE		Film SL 63134S		Film SL 63134S	
Elective	Health	College & Careers	Physical Education	Physical Education	ELECTIVE	Theory of Knowledge (TOK) 5135I	Theory of Knowledge (TOK) 5135I	ELECTIVE

COURSE OFFERINGS: HIGHER LEVEL

All Higher Level (HL) classes are offered over the period of two years and require an average score of 4 in each class to receive the IB Diploma.

GROUP 1: Language & Literature**English HL**

2-year course

Prerequisite: English 9 and 10 Honors (Advanced)

Studies a variety of literary genres, literary analysis, and works in translation.

GROUP 2: Language Acquisition**Spanish HL**

2-year course

Prerequisite: Spanish III or IV or Heritage Spanish III.

Studies culture and literature of Spanish-speaking countries. Some units include: immigration, dictatorships, indigenous peoples, fine arts, and others.

GROUP 3: Individuals & Societies**History of the Americas HL**

2-year course

Recommended prior knowledge: World History & Civilizations, U.S. Government, Economics

Focuses on the history of the Americas and Western Europe, pre-Columbian period to present, with special attention paid to 20th century world history.

GROUP 4: Sciences**Biology HL**

2-year course

Prerequisite: Biology (Honors)

Recommended prior knowledge: Chemistry

Studies cell biology, molecular biology, genetics, ecology, evolution and biodiversity, human physiology, and additional topics.

Physics HL

2-year course

Prerequisite: Biology (Honors), Algebra II

Recommended prior knowledge: Physics, Pre-calculus

Studies measurements and uncertainties; mechanics; thermal physics; waves; electricity and magnetism; circular motion and gravitation; atomic, nuclear and particle physics; energy production; and additional topics.

GROUP 5: Mathematics**Math HL**

2-year course (online only)

Prerequisite: Calculus

Studies algebra; functions and equations; circular functions and trigonometry; vectors; statistics and probability; calculus; and additional topics.

GROUP 6: The Arts**Music HL**

2-year course

Prerequisite: Band or orchestra or music lessons

Studies music perception, music creation, and solo performing.

Visual Arts HL

2-year course

Prerequisite: Introduction to 2D/3D Art and advanced art course

Studies a variety of visual arts methods to create a portfolio and exhibition. Reflective and comparative writing required for class assessments.

COURSE OFFERINGS: STANDARD LEVEL

Most Standard Level (SL) classes are offered in one year and require a score of 4 or higher in the class to receive an IB Course Certificate.

GROUP 1: Language & Literature

There are currently no Group 1 SL classes being offered.

GROUP 2: Language Acquisition**French SL**

1-year course

Prerequisite: French III

Studies culture and literature of French-speaking countries, focusing on communications and media, global issues, and social relationships, as well as other topics.

Spanish SL *ab initio*

2-year course

Prerequisite: little or no previous Spanish

*Studies culture and literature of Spanish-speaking countries, focusing on individuals and society, relationships, leisure and work, and urban and rural environments. **NOTE: This class does not earn an IB Course Certificate; it is only valid as an IB Diploma class.***

Spanish SL

2-year course

Prerequisite: Spanish II or III

Studies culture and literature of Spanish-speaking countries. Some units include: immigration, dictatorships, indigenous peoples, fine arts, and others.

GROUP 3: Individuals & Societies**Environmental Systems & Societies SL**

1-year course

Recommended prior knowledge: Biology

Examines foundations of environmental systems and societies; ecosystems and ecology; biodiversity and conservation; water and aquatic food production systems and societies; soil systems and terrestrial food production systems and societies; atmospheric systems and societies; climate change and energy production; and human systems and resource use. NOTE: This class may count as EITHER a Group 3 or a Group 4 for the IB Diploma.

Philosophy SL

1-year course

Recommended prior knowledge: none

Examines the core theme of "being human," in addition to other topics and philosophical texts.

Psychology SL

1-year course

Recommended prior knowledge: none

Examines the biological, cognitive, and sociocultural level of analysis, as well as other topics.

World Religions SL

1-year course

Recommended prior knowledge: none

Examines five world religions through their rituals, spiritual practices, doctrine, sacred texts, and moral conduct to answer the questions of what is the human condition; where are we going; and how do we get there.

GROUP 4: Sciences**Chemistry SL**

1-year course

Prerequisite: Biology (Honors), Chemistry

Studies stoichiometric relationships; atomic structure; periodicity; chemical bonding and structure; energetics/thermochemistry; chemical kinetics; equilibrium; acids and bases; redox processes; organic chemistry; and measurement and data processing.

Design Technology SL

1-year course

Prerequisite: none

Studies human factors and ergonomics; resource management and sustainable production; modelling; raw material to final product; innovation and design; classic design. NOTE: This is not a computer science class.

Environmental Systems & Societies SL

1-year course

Recommended prior knowledge: Biology

See description in GROUP 3: Individuals & Societies.

Physics SL

1-year course

Prerequisite: Biology (Honors), Algebra II

Recommended prior knowledge: Physics, Pre-calculus
Studies measurements and uncertainties; mechanics; thermal physics; waves; electricity and magnetism; circular motion and gravitation; atomic, nuclear and particle physics; and energy production.

Sports Exercise Science SL

1-year course

Prerequisite: Biology (Honors)

Recommended prior knowledge: Anatomy and physiology
Studies anatomy; exercise physiology; energy systems; movement analysis; skill in sport; and measurement and analysis of human performance.

GROUP 5: Mathematics**Math SL**

1-year course

Prerequisite: Pre-Calculus Honors Advanced

Studies algebra; functions and equations; circular functions and trigonometry; vectors; statistics and probability; calculus; and additional topics.

Math Studies SL

1-year course

Prerequisite: Algebra II Honors

Recommended prior knowledge: Pre-calculus
Studies numbers and algebra; descriptive statistics; logic, sets, and probability; statistical application; geometry and trigonometry; mathematical models; and introduction to differential calculus.

GROUP 6: The Arts**Film SL**

1-year course

Prerequisite: none

Studies film elements, focus, and production roles, along with cultural contexts.

Music SL

1-year course

Prerequisite: Band or orchestra or music lessons

Studies music perception, and either creating music or solo or group performing.

Visual Arts SL

1-year course

Prerequisite: Introduction to 2D/3D Art and advanced art course

Studies a variety of visual arts methods to create a portfolio and exhibition. Reflective and comparative writing required for class assessments.

All information regarding specific subjects comes from the specific IB subject briefs. © 2014-2017, IBO.