

NORTHPORT HIGH SCHOOL

International Baccalaureate Diploma Program



Information Guide

Visit the Northport High School IB Diploma Program website:

Go to web.northport.k12.ny.us and use the navigation menu at the top of the page —
Instructional Programs > International Baccalaureate (IB) Program

Program Coordinator

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The International Baccalaureate Organization (IBO)

Mission Statement

Create a better world through education

The IB develops inquiring, knowledgeable and caring young people who help to create a better and more peaceful world through education that builds intercultural understanding and respect.



The IB Program has experienced continued growth since its creation in 1963, and now offers Primary and Middle Years Programs in addition to the Diploma Program. Across the globe today, there are 4250 Diploma schools in over 150 countries educating 185,000 Diploma candidates hailing from 200 nationalities.

The IB Diploma is highly regarded for entry into universities throughout the world and for advanced placement at many colleges and universities in the United States and Canada.

Northport High School received accreditation as an IB World School in 2002.

A Program Centered on the Student

IB Learner Profile

The IB learner profile represents 10 attributes valued by IB World Schools. We believe these attributes, and others like them, can help individuals and groups become responsible members of local, national and global communities.



Inquirers
Knowledgeable
Thinkers
Communicators
Principled

Open-Minded
Caring
Risk-Takers
Balanced
Reflective

A Cohesive College Preparatory Program

The IB curriculum provides a cohesive and comprehensive liberal arts and sciences program of study for motivated juniors and seniors of differing educational backgrounds, abilities, and interests. It is not just a set of examinations, but a rigorous pre-university program which provides a foundation for life-long education. Courses are offered in six interconnected academic areas. Students pursuing the full diploma benefit from the three core elements that seek to develop them holistically: Theory of Knowledge (TOK), Creativity, Activity and Service (CAS) and the Extended Essay.



The IB Diploma Program at Northport High School

A Self-Selecting Program

The IB Program, while demanding, is open to any student.

It is possible to challenge the full IB Diploma or to take one or more IB Courses during junior and/or senior year.

Who is suited for the IB Program?

IB is for the student who is willing to work hard at his/her studies and wants to be prepared to succeed in college. Students who are successful in the program are:

- curious and enjoy thinking critically and creatively
- genuinely concerned for others and their community at large
- interested in developing an international outlook
- willing to manage several demanding classes simultaneously
- willing to advance personal study habits, including self-discipline, self-motivation, & time management



Courses Organized into Six Subject Groups

1 - English	2 - World Languages	3 - Social Studies
4 - Science	5 - Mathematics	6 - Electives

Course offerings are detailed on the next page.

Two Types of Courses

Standard Level Courses (SL)	Higher Level Courses (HL)
These classes are either 1- or 2-year courses. Don't let "standard level" deceive you, they are still challenging courses.	These classes must be offered as 2-year courses. These courses go more in depth than SL courses.
BOTH are considered to be "at the college level"	

Two Pathways: Full IB Diploma or Course Candidate

Full IB Diploma Candidates	Course Candidates
One course from each of Groups 1-6 <ul style="list-style-type: none"> • 3 Higher Level • 3 Standard Level Core: <ul style="list-style-type: none"> • Junior Research/Extended Essay • Theory of Knowledge • Creativity, Activity, Service 	Take one or more courses Choose from a variety of course offerings from Groups 1-6 <i>Colleges look highly upon applicants who take IB courses.</i>

Northport High School IB Course Offerings, sorted by subject group

- Diploma Candidates must take a course from each of the Groups.
- Students must take *at least* 3 HL courses, and *no more than* 4 HL courses.

Group 1 Studies in Language & Literature	IB English Language and Literature HL (2 year course) IB English: Literature HL (2 year course)
Group 2 Language Acquisition	IB Spanish HL/SL SL or HL indicated (2 year course) IB Italian HL/SL at beginning of (2 year course) IB French HL/SL Senior Year (2 year course)
Group 3 Individuals & Societies	IB History HL (2 year course)
Group 4 Sciences	IB Physics HL (2 year course) IB Sports, Exercise & Health Science SL (1 year course) IB Biology SL (1 year course)
Group 5 Mathematics	IB Math Analysis & Approaches SL (1 year course; taken Junior Year) IB Math Applications & Interpretations SL (1.5 year course; taken Senior Year)
Group 6 The Arts (alternatively, an elective can be taken to fulfill the Group 6 requirement)	IB Music HL (2 year course) IB Music SL (1 year course) IB Dance SL (2 year course) IB Visual Arts HL (2 year course) IB Visual Arts SL (1 year course) ... IB Business and Management HL (2 year course) IB Business and Management SL (1 year course) IB Economics SL (1 year course) IB Social & Cultural Anthropology (1 year course) IB Psychology SL (1 year course) IB Philosophy SL (1 year course) IB Sports, Exercise & Health Science SL (1 year course) IB Biology SL (1 year course)

Information about each course can be found in the Northport High School Course Catalog, and is also available on Northport HS IB Diploma Program webpage.

Northport High School IB Diploma Program Course Sequences

Subject Area	Grade 9	Grade 10	IB Subject Group	Grade 11	Grade 12	Level
English	English 9	English 10	1 English (Lang. A)	IB Engl. Literature 11 or IB Engl. Language & Lit 11 (June Regents)	IB Engl. Literature 12 or IB Engl. Language & Lit 12	HL
World Languages	Level 2R	Level 3R (June Regents)	2 Language B	Level 4IB	Level 5IB/AP	SL or HL
Social Studies	Global History 1	Global 2 or AP World History or AP European History	3 Individuals and Society	IB History of the Americas 11 (June Regents)	IB History of the Americas 12	HL
Science	Regents or Scientific Investigations Earth Science or Biology (June Regents)	Regents or Scientific Investigations Biology or Chemistry (June Regents)	4 Experimental Sciences	IB Biology or IB Sports, Exercise & Health Science	Regents or Scientific Investigations Physics (June Regents)	SL
				<i>note: alternatively, Regents/Sci. Investigation Physics can be taken during grade 11, and IB Biology or IB Chemistry taken during grade 12</i>		
	Regents or Scientific Investigations Biology (June Regents)	Regents or Scientific Investigations Chemistry (June Regents)		IB Physics 11 (June Regents)	IB Physics 12	HL
Mathematics	Algebra 1 (June Regents)	Geometry (June Regents)	5 Mathematics	Algebra 2 (June Regents)	IB Math Applications and Interpretations	SL
	Geometry AB (June Regents)	Algebra 2 AB (June Regents)		IB Math Analysis & Approaches <i>*Double period Fall semester</i>	AP Calculus AB	SL
	Algebra 2 BC (June Regents)	Pre-Calculus BC		IB Math Analysis & Approaches	AP Calculus BC	SL
Arts and Electives	Comprehensive Foundations of Music	Comprehensive Foundations of Music or AP Music	6 The Arts or Electives	IB Visual Arts IB Music IB Dance IB Business & Management IB Economics IB Social & Cultural Anthropology IB Philosophy IB Psychology IB Sports, Exercise & Health Science second IB Science	IB Visual Arts IB Music IB Dance IB Business & Management IB Economics IB Social & Cultural Anthropology IB Philosophy IB Psychology IB Sports, Exercise & Health Science second IB Science	SL or HL SL or HL SL SL or HL SL SL SL SL SL SL SL SL
	Medical Anatomy or Sports Medicine 1 (suggested)	Medical Anatomy or Sports Medicine 1 (suggested)		<i>note: only 1 IB elective must be taken over the course of the program</i>		
Students must continue to take Physical Education during grades 11 & 12 and must take Health during grade 11 or 12 (half-year course). With careful planning, other courses and programs can be pursued during			Core Elements	Theory of Knowledge (Spring Semester)	Theory of Knowledge (Fall Semester)	
				Extended Essay and Creativity, Activity, & Service are satisfied through independent student work.		

Students must continue to take Physical Education during grades 11 & 12 and must take Health during grade 11 or 12 (half-year course).
With careful planning, other courses and programs can be pursued during Junior and Senior Year in addition to the full IB Diploma Program.

Core Elements of the Full IB Diploma Program

In addition to a rigorous and cohesive schedule of IB Courses, full IB Diploma Candidates engage in three core elements that are central to the educational philosophy of the Diploma Program.

Theory of Knowledge (TOK)

The TOK course provides students with an opportunity to explore and reflect on the *nature of knowledge* and the *process of knowing*.



This course is composed almost entirely of questions and is often a favorite of IB Diploma Candidates.

In TOK, students reflect on the knowledge, beliefs and opinions that they have built up from their years of academic studies and their lives outside the classroom. The course is intended to be challenging and thought-provoking – as well as empowering – for students.

Theory of Knowledge is a two-semester course that is taken in the spring of the junior year and the fall of the senior year.

Extended Essay (EE)

The Extended Essay is an independent, self-directed research project completed under the advice and guidance of a dedicated mentor who is a Northport faculty member. It provides:

- excellent practical preparation for undergraduate research
- an opportunity for students to investigate a topic of personal interest to them, which relates to one of the student's six Diploma Program subjects or takes the interdisciplinary approach of a World Studies extended essay.



Participation in this process develops the capacity to analyze, synthesize and evaluate knowledge. The Extended Essay is written outside of the classroom on the student's own time. Students begin the Extended Essay process in February of their junior year and submit their essays in the winter of their senior year.

Creativity, Activity, Service (CAS)

CAS involves students in a range of activities alongside their academic studies, engaging them in a personal journey of self-discovery that spans junior and senior years. Students are required to reflect on how their various experiences in one of the three strands – Creativity, Activity, Service – enhance their personal and interpersonal development. In addition, students are required to undertake a CAS project which will challenge them to show initiative, demonstrate perseverance and develop skills such as collaboration, problem solving and decision making.



CAS is an important counterbalance to the academic pressures of the Diploma Program.

Why Choose the International Baccalaureate Program at Northport High School?

Personal Growth

Beyond the external benefits, such as weighted grades and advanced college standing, the true benefit of earning the IB Diploma is intrinsic in nature. The change that occurs within a student academically and personally while pursuing the diploma produces far greater personal growth and satisfaction than the diploma itself.

College and Career Readiness

Amid the many outstanding educational programs at Northport, the IB Program is unique in that it prepares high school students for quality university life in a way no other educational program can. For those who may decide to not go on to college or who do not complete their first year, the program will offer one of the most enriching experiences possible. This is made possible by three key features of the IB Program:

1. Academic rigor: Students learn how to learn, how to analyze, how to reach considered conclusions about humankind, its languages and literature, its ways in society, and the scientific forces of its environment. An IB diploma candidate is indeed functioning at a level of an introductory college student.
2. Comprehensiveness of the Program: Students encounter rigor throughout all disciplines. Students refine areas of strength and developmentally improve areas of weakness. A significant portion of the course work such as essays, oral commentaries, portfolios, and lab books is submitted for evaluation.
3. Internationalism: The IB Program encourages students to think globally and the IB curriculum is based on true international standards. Coursework and exams are graded by an international team of examiners, professionals from North and South America, Europe, Africa, Asia, and Australia who undergo extensive training to ensure uniform standards are maintained worldwide.

College Recognition

In over sixty countries around the world, the IB Diploma is accepted as an entrance qualification for higher education.



In the United States, many institutions of higher learning grant college credit based on IB subject scores.

Universities are eager to attract IB diploma students because:

- They are recognized as being prepared to accept educational challenges.
- They have self-confidence with university level material.
- They have developed the capacity for independent research and study.
- They have cultivated sound thinking and communication skills.
- They engage in extracurricular activities alongside academic studies.
- They think in global terms and have a cultural sensitivity and international orientation.

Comparing the AP and International Baccalaureate Programs

The AP and IB Programs at Northport High School are both successful and highly respected by major colleges and universities throughout the nation. Each program is designed to enrich the high school experience and offer students an excellent opportunity to prepare for advanced study and potentially earn college credit. Students are encouraged to evaluate both programs to determine which course of study is most suitable for them.

IB Diploma Program 	AP Program 
Encourages academically talented and highly motivated students.	Encourages academically talented and highly motivated students.
Comprehensive curriculum of college level work focused on college preparation.	Independent college-level courses.
IB exams concentrate on the analysis of what the student knows.	AP exams test what the student knows.
Diploma Candidates must take one exam in each of the six different subject areas of the IB Diploma Program – students must prepare in all areas, those of strengths as well as weaknesses.	Students generally take AP exams in the areas of strengths.
Students must be enrolled in an authorized IB school.	Students do not have to be enrolled in an authorized school.
Courses are assessed on a 1-7 scale through a two-day exam that is graded externally, as well as coursework that is graded by the teacher and externally moderated.	Courses are assessed on a 1-5 scale through a one-day exam that is graded externally.
Exams are based on broad general understanding of concepts and fundamental themes; questions emphasize essay writing.	Exams are based on specific content of courses with objective questions and essays.
Oral assessments in English and World Languages.	Oral assessments in World Languages only.
Theory of Knowledge, Extended Essay, & Creativity, Activity and Service	No equivalent

The Successful IB Student

Student responsibilities

- Students are expected to share responsibility for creating a challenging and fruitful learning environment. Students should demonstrate mutual respect and consideration for others. This assists in creating an atmosphere of harmony and cooperation, which is conducive to learning.
- Students will spend much time studying outside of class; many IB students utilize both the library and modern technology to gather resources and collaborate regularly with their peers.
- Academic honesty: Maintaining academic integrity within a program is paramount. Within the IB Program, this goal is taken especially seriously. Students must abide by the Northport High School Academic Honesty Policy.
- Assignment due dates: Students must meet course, CAS, and Extended Essay deadlines. The IB Coordinator, in consultation with teachers, sets due dates for all student work evaluated by the international grading team. Teachers set other major course assignments. The timing of submission dates spreads the workload fairly across the two years of the program.

How to ensure excellence in IB studies

The IB is a demanding program of study, but well-organized students can do well and still find time to pursue other interests both inside and outside of school. A successful IB student:

- Works consistently throughout the two years of study.
- Makes a study plan for the coming week/month, anticipating deadlines for essays, assignments, etc., and forthcoming sporting and social activities.
- Works in surroundings conducive toward thoughtful study.
- Begins studying sooner rather than later, and in a sustained fashion.
- Follows up recent class notes carefully and checks for clarification with the teacher to ensure he/she understands what is being taught/learned. Class notes are well organized.
- Engages in lively discussion and debate with fellow students and teachers.
- Demonstrates eagerness to ask questions.
- Submits thorough assignments that are carefully researched, analyzed, and presented.

Planning and Scheduling in the IB Program

Course Candidates

Sophomores who wish to enroll in one or more IB courses should communicate their preference to their current teachers in the selected subject areas.

Full Diploma Candidates

- 1.** Read the International Baccalaureate Program section of the current Northport High School Course Catalog. Please look closely at the IB course sequence, course descriptions, prerequisites, and the IB Diploma pathways.
- 2.** Once you have an idea of which courses you would like to take, complete the table below with an overview of your course of studies during your junior and senior years:
 - a) Choose a course from each group that you will study during your junior and/or senior year
 - b) Indicate which courses you will take at the Higher Level (2 years) & which you will take at the Standard Level (1 year). Please note that World Language courses must be studied for two years but may be taken at the Standard Level.
 - a. You must take one course from each Group (an IB elective can be used to satisfy group 6)
 - b. You must take at least 3 HL courses
 - c. You may not take more than 4 HL courses
 - d. You may only take up to 2 SL exams during your Junior Year

	Course Name	HL or SL
Group 1		
Group 2		
Group 3		
Group 4		
Group 5		
Group 6		

- 3.** Schedule a meeting with Kristen Rozell, the IB Program coordinator to develop your individualized two-year plan.