

Rising 11th grade: 6th subject options (GROUP 6) & other information for course registration

The following information is to assist you with course registration. Please review this information carefully.

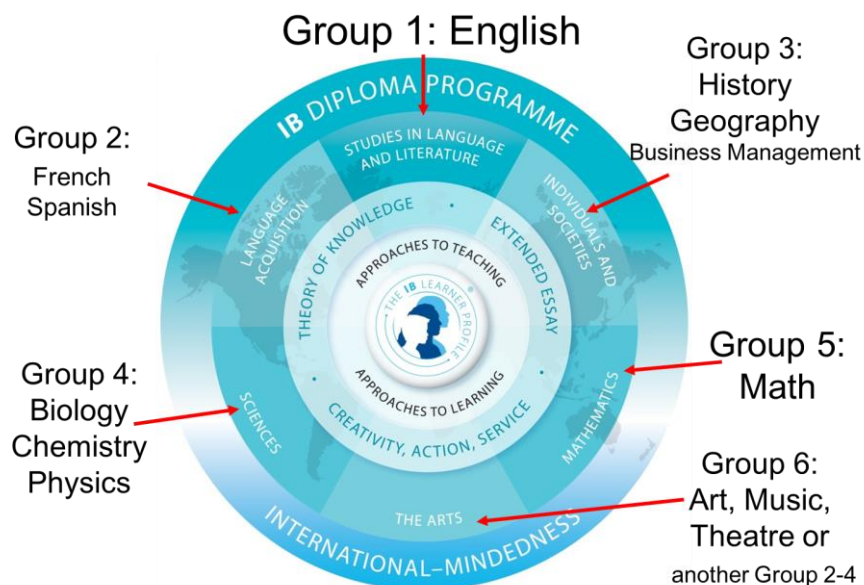
-If you were unable to attend IB 201, please view the power point on www.phsibsupport.org <Students & Parents <IB 201

-Students will take one IB subject in every group 1-5 and select one additional IB subject in either groups 2,3,4,6.

IB Schedule Junior Year opinions:

- | | |
|---|---------|
| 1.) AP Literature and Composition | GROUP 1 |
| 2.) IB French 4 or IB Spanish 4 | GROUP 2 |
| 3.) AP US History, IB Business Management 1, IB Geography 2 | GROUP 3 |
| 4.) IB Biology OR IB Chemistry OR Physics | GROUP 4 |
| 5.) IB Math Studies, IB Precal (AB), IB Precal (BC) or AP AB or AP BC Cal | GROUP 5 |
| 6.) SIXTH SUBJECT ELECTIVE | GROUP 6 |
| 7.) TOK 1 | |

The Core Curriculum



-At least 3 subject groups must be taken at the “Higher Level” and 3 are to be taken at the “Standard Level.” Some students take 4 HL and 2 SL. Higher level has more assessments and requires more instructional time.

HL Options: 2 yr. course (Must take minimum of 3 courses)

- English-all students take
- History-many students take unless another HL is preferred
- Business Management
- Biology, Chemistry, Physics
- Visual Arts
- Theatre
- French/Spanish (Must be in Spanish 5 or French 5 in 11th grade)
- Math HL (taken Algebra II in 9th grade)

SL Options:

- Geography 2-(1 year course only)
- Spanish/French (SL-4 years or AB if you only have 2-3 years)
- Math Studies
- Math SL (AB or BC Calculus)
- Visual Arts
- Theatre
- Additional Science: Biology, Chemistry, Physics
- History can be SL but must take 2 years (AP US & then IB Cont. History)

-Various course descriptions are listed on the next page to assist you with this process

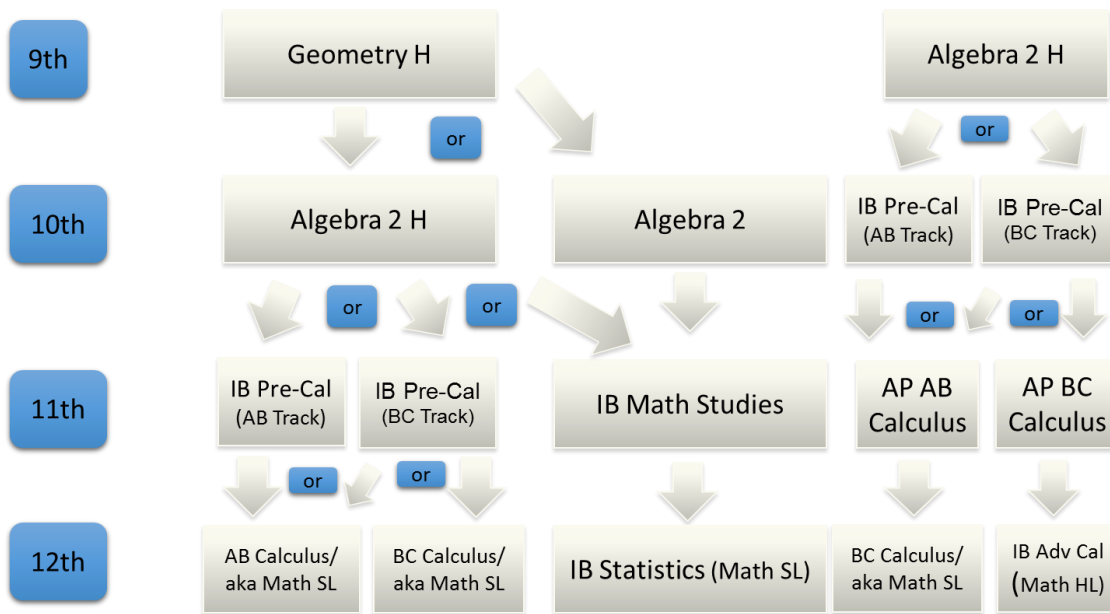
Math Options: (Please e-mail or see Mrs. Gibbs for specific questions: mgibbs2@escambia.k12.fl.us)

1. If currently in Regular Algebra 2, the next two years will be IB Math Studies followed by IB Stats
2. If currently in Honors Algebra 2, there are three possibilities for the 11th grade year:
 - A. Math Studies – designed for students whose college and career choices require little mathematics/science and who will not take Calculus in college (business, history, journalism, psychology). This course will be followed by IB Statistics in the senior year.
 - B. IB Pre-Calculus (AB track) – designed for students whose college and career choices require AB Calculus (Calculus 1) in college. For students who plan to pursue subjects such as chemistry, neuroscience, economics, etc., it is recommended that they select one of the IB Pre-Calculus courses pending on interest and university aspirations. This course will be followed by AP AB Calculus (Math SL).
 - C. IB-Pre-Calculus (BC track) – designed for students whose college and career choices require BC Calculus in college. For students who plan to pursue subjects such as engineering, this track is recommended. Also, course selection should be based on interest and university aspirations. This course will be followed by AP BC Calculus.
3. If currently in IB Pre-Calculus BC as a 10th grade student, there are two possibilities for the 11th grade year as well:

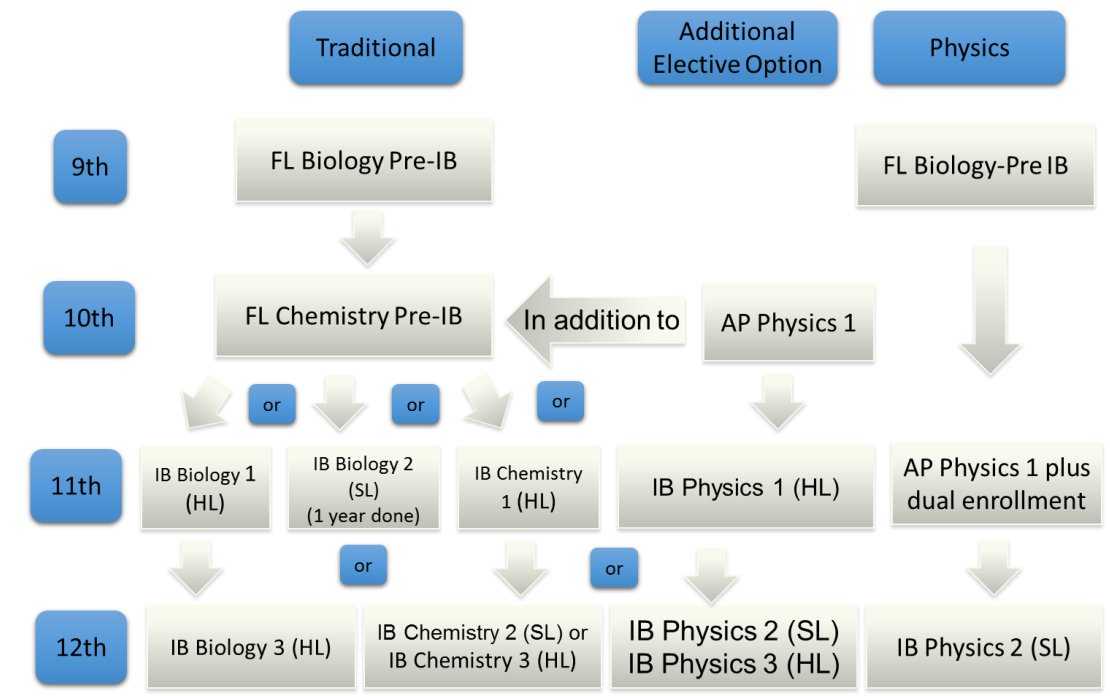
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- A. AP Calculus AB – this course covers approximately $\frac{3}{4}$ of Calculus 1 at the University of Florida. Students will take AP Calculus BC exam their senior year which will complete Calculus 1 and 2 at UF.
- B. AP Calculus BC – this course will complete both Calculus 1 and 2 at the University of Florida and is an expected course for students planning to major in engineering. This course will also cover all of the expected material on the MCAT.
- Students will take IB Math HL after AP BC Calculus.

MATH TRACKS



Must choose one SCIENCE TRACK for IB diploma:



All IB students need to take one additional subject (aka sixth subject):

- 1.) IB Geography 2 (Only sixth subject that can be completed in one year)
- 2.) IB Business Management-only HL offered
- 3.) IB Visual Art-SL or HL
- 4.) IB Theatre-SL or HL
- 5.) 2nd Science (Must take two sciences: Biology, Chemistry or Physics-Please refer to Science Track above)
- 6.) 2nd Language Acquisition
- 7.) IB Music-SL

Subject Options

IB Geography 2 (SL option only)

IB Geography 2 is a one-year course (Standard Level) that is typically taken by students in their junior year. This is a very comprehensive course that explores a vast array of disciplines. This course, in many ways, is a combination of social studies and science. For the social studies aspect of the course, the students study everything from human migration, demographics, governments, culture, economics, and development. For the science aspect of this course, the students study earth composition, natural disasters, atmospheric sciences, and natural resources.

The themes for the IB World Geography Core Curriculum are:

1. Populations in transition
2. Disparities in wealth and development
3. Patterns in environmental quality and sustainability
4. Patterns in resource consumption

The optional themes that students will explore are:

5. Freshwater – issues and conflicts
6. Oceans and their coastal margins
7. Extreme environments
8. Hazards and disasters – risk assessment and response
9. Leisure, sport, and tourism
10. The geography of food and health
11. Urban environments

There is no prerequisite for this course. Students who have taken AP Human Geography (APHG) may find some overlap of topics on the social studies side of this course, but the depth of their investigation of those topics is much more focused and intense in IBWG. Also, the science aspect of IBWG is not explored in APHG. All students are able to take this class, regardless of their perceived proficiencies or deficiencies in the subject. It is a course for all to explore. This is a class that is very contemporary in design, and allows you to have a more complete understanding of the world. (Please e-mail or see Ms. Mullin if you have questions: tmullin@escambia.k12.fl.us)

IB Business Management: (2 year course commitment-HL option)

“The course syllabus outline covers the key characteristics: business organization and environment, the business functions of human resource management, finance and accounts, marketing and operations management from international conglomerates to brick-and-mortar small business. Links between the topics are central to the course. Through the exploration of the six underpinning concepts of IB (change, culture, ethics, globalization, innovation and strategy), the course allows students to develop a holistic understanding of the complex and dynamic business environment of the 21st century. The conceptual learning is firmly anchored in business management theories, tools, and techniques. Placed in the context of real world examples and case studies, these fundamentals apply whether you would like to be CEO of a Fortune 500 company, or run your own “lifestyle” entrepreneurship from the deck of your sailboat.

The course encourages the appreciation of ethical concerns at both a local and global level. It aims to develop relevant and transferable skills, including the ability to: think critically; make ethically sound and well-informed decisions; appreciate the pace, nature and significance of change; think strategically; and undertake long term planning, analysis and evaluation. The course also develops subject-specific skills, such as financial analysis.” (Ibo.org)

The aims of the business management course is to:

1. encourage a holistic view of the world of business
2. empower students to think critically and strategically about individual and organizational behavior
3. promote the importance of exploring business issues from different cultural perspectives
4. enable the student to appreciate the nature and significance of change in a local, regional and global context
5. promote awareness of the importance of environmental, social and ethical factors in the actions of individuals and organizations
6. develop an understanding of the importance of innovation and/or entrepreneurship in a business environment.

There is no prerequisite for this course at this time. (Please e-mail or see Ms. Bates if you have questions: kbates@escambia.k12.fl.us)

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IB History: (2 year course commitment-HL option)

“The Diploma Program history course aims to promote an understanding of history as a discipline, including the nature and diversity of its sources, methods and interpretations. It also helps students to gain a better understanding of the present through critical reflection upon the past. It is hoped that many students who follow the course will become fascinated with the discipline, developing a lasting interest in it whether or not they continue to study it formally.” (Ibo.org)

“The route two history course focuses on 20th century world history. It requires students to make comparisons between similar and dissimilar solutions to common human situations, whether they be political, economic or social. It invites comparisons between, but not judgments of, different cultures, political systems and national traditions.” IB History is available at both Standard Level (SL) and Higher Level (HL). Both options begin with AP US History following the second course of IB Contemporary History 2 (SL or HL option). (Ibo.org) **Please contact Mr. Jones for specific questions: mjones3@escambia.k12.fl.us**

2nd Science as a sixth subject:

-Must take a primary science (Group 4) and can select an additional science (sixth subject)

Examples: IB Chemistry/IB Biology IB Physics / IB Biology IB Chemistry /IB Physics

IB Physics: Regardless of testing in SL or HL, it is mandatory that students take the two year sequence in Chemistry.

AP Physics 1 is expected for anyone planning on majoring in engineering. This course will give you a solid introduction to both Physics 1 at a college level. It is a very hands-on class including 6-10 labs for each 9 weeks grading period.

- You could choose to take IB Physics 1 in 11th grade and IB Physics 2 or 3 in 12th grade. Then Physics can be either your sixth subject or serve as the IB science requirement. If you complete IB Physics 3 in 12th grade you will also be prepared for the AP Physics exam which could earn you credit at most universities (MIT, GT, UF, Vanderbilt) for Calculus based Physics 1.

(Please e-mail or see Mr. Bobbitt for specific questions: jbobbitt@escambia.k12.fl.us)

IB Physics Options			
10 th Grade	Summer	11 th Grade	12 th Grade
-----	Dual Enrollment Summer Physics	IB Physics 1	IB Physics 3 – Test HL
-----	-----	AP Physics 1	IB Physics 2 – Test SL
AP Physics 1	Not mandatory but can do DE Summer Physics if desired	IB Physics 1	IB Physics 2 – Test SL or IB Physics 3 – Test HL

IB Biology: This is the only SL science that you can do in one year.

IB Biology Options		
9 th Grade	11 th Grade	12 th Grade
Biology pre-IB	IB Biology 2 (SL)	-----
Biology pre-IB	IB Biology 1	IB Biology 3 (HL course)

IB Chemistry: Regardless of testing in SL or HL, it is mandatory that students take the two year sequence in Chemistry.

IB Chemistry Options		
10 th Grade	11 th Grade	12 th Grade
Chemistry pre-IB	IB Chemistry 1	IB Chemistry 2 (SL)
Chemistry pre-IB	IB Chemistry 1	IB Chemistry 3 (HL)

Difference between Science SL and HL: “While there are core skills and activities common to both SL and HL, students at HL are required to study some topics in greater depth, to study additional topics and to study extension material of a more demanding nature in the options. The distinction between SL and HL is one of breadth and depth.” (www.ibo.org)

IB Visual Art-You should have previous years of art classes or teacher permission to take this course

IB Art is a two year program beginning in the 11th grade for the highly motivated art student. It may be taken at a standard level or a higher level, in both cases you will be working with a variety of media and approaches to art. A strong emphasis is placed on the cultural context and personal experiences from which artworks originate. An investigation workbook and portfolio are completed which will be reviewed both internally and externally in April of 12th grade.

The aims of the visual art course at HL are to enable you to:

- Investigate past, present, and emerging forms of visual art that will later be used in producing, appreciating & evaluating artworks
- Develop an understanding of visual arts from local, national and international perspectives.
- Build confidence in responding visually and creatively to personal and cultural experiences.
- Develop skills and sensitivity to the creation of works that reflect active individual involvement.
- Take responsibility for the direction of your learning through the acquisition of effective working practices.

The Difference between Standard Level and Higher Level Art

- Because of the nature of the subject, quality work can be produced at both the SL and HL. The aims and assessment objectives are the same for both levels.
- The course content for HL and SL may be the same. However, due to the different amount of time available for each, students at the HL have an opportunity to develop ideas and skills to produce a larger body of work and in greater depth.
- The time spent working at each level is as follows: higher level 240 hours and standard level 150. This equates to 12 to 18 pieces of studio work at the higher level and 8-12 pieces at the standard level
- Technical skill and artistic ability are important factors when deciding which level to choose. An artwork that exhibits excellent technical skill for a standard portfolio will be considered good for a higher level portfolio. You will have a conference with your teacher towards the end of your junior year where you will decide which level works best for you.

Think of IB Art as a road trip you are about to take to somewhere you really want to go. In order to take your trip you must know how to drive, in other words you should already have a love of art and the prerequisite courses and skills needed to make the journey. Your journey will be all the different materials, techniques, experimentation, and research that get you to your destination. You know you have had a great experience when you leave with a portfolio of artwork that can not only be used for your IB diploma but for entrance into the college of your choice. (Please e-mail or see Ms. Cain if you have questions: acain@escambia.k12.fl.us)

IB Theatre -You should have at least two years of theatre previously or teacher permission to take this class.

IB Theatre is a two year program, beginning in the eleventh grade for highly motivated theatre students. It can be taken at a standard level or a higher level. It is an advanced curriculum that explores all aspects of theatre with an emphasis on creating performances, both in groups and individually, and in investigating theatrical performances internationally. An independent project of the student's choice (either in performance or designing an aspect backstage), a research investigation, a performance pitch, and an oral of the student's journey through IB Theatre make up the assessed components for this program.

The aims of the theatre course are to enable you to:

- Experience and participate in a wide and varied range of theatre activities and develop proficiency in more than one area of theatre technique
- Become familiar with forms of theatre from different cultures
- Explore theatre traditions in their historical context
- Develop the confidence to explore, experiment, and work both collectively and individually on innovative projects
- Understand the dynamic, holistic, evolving nature of theatre, and the interdependencies of all aspects of this art form

The Difference between Higher Level and Standard Level

- Although the course content is the same, applied research is needed for higher level students in the independent project and the pitch.
- The word length for the research investigation is more for higher level students, and the time for the oral presentation is longer for higher level students.
- Assessments are slightly more rigorous for higher level students in all components.

So if you are just fascinated by being onstage or helping with technical elements backstage, or actually planning to pursue theatre as a career path, this is a great choice for you. It is highly participatory class that explores all the wonderful aspects that make theatre magic happen on and off stage. Theatre skills are not only applicable for your IB Diploma but can also be used in any profession you might pursue later.

(Please e-mail or see Ms. Brooks if you have questions: abrooks@escambia.k12.fl.us)

2nd Foreign Language as Sixth Subject:

- If you have taken both Spanish and French during your freshman and sophomore year, you can continue to take both Spanish and French your junior and senior year. One language will count for “Group 2” and the other one will count as your sixth subject for your IB diploma.
 - If you are interested in this track and have only taken one language thus far, you will have to take IB Spanish AB 1 (Spanish 1 pre-IB) your junior year followed by IB Spanish AB 2 (Spanish 2 pre-IB) your senior year. For more questions regarding this option, please contact Mr. Alemany at jalemany@escambia.k12.fl.us
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IB Music: Please contact Mr. Navarro for questions at anavarro@escambia.k12.fl.us

This course is designed for music students with varied backgrounds in music performance and is a two year SL course. The aim of the IB music program is to give music students the opportunity to explore and enjoy the diversity of music throughout the world by enabling them to creatively develop their knowledge, abilities and understanding through performance and music analysis. Students will be expected to demonstrate their understanding of music by performing, using appropriate musical language and terminology in analyzing musical works from many varied cultures, and by exploring music through music theory, aural skills, composition, and music history. All IB Music students are highly encouraged take this course in conjunction with private music lessons. This course is currently offered at the Standard Level only.

Aims of this course:

- Improve musical skills through solo performance on primary instrument (voice, strings, piano/keyboards, winds, and percussion).
- Explore music from different cultures such as music from the Middle East, India, Native American, Music of the Orient, etc.
- Improve music listening skills through musical ear training and analysis of western classical music.
- Students will survey and explore the foundations of music history

Recommended Pre-requisites:

- Prior experience with music performance via band, chorus, orchestra, private lessons, etc.
- Supplemental private lessons are highly recommended. Can be enrolled in school based ensemble to make up for lessons (PHS sponsored ensembles only).
- The course Pre-IB Music is recommended to take prior to IB Music.

IB Music Options		
10th Grade	11th Grade	12th Grade
Pre-IB Music 1	IB Music 2-SL exam	-----
	IB Music 1/(with Pre-IB Music 1)	IB Music 2- SL exam