

Fairview High School

Honors Program

International Baccalaureate
Advanced Placement

Curricular Pathways



1515 Greenbriar Boulevard
Boulder, Colorado 80305
720-561-5868
fhs.ib@bvsd.org

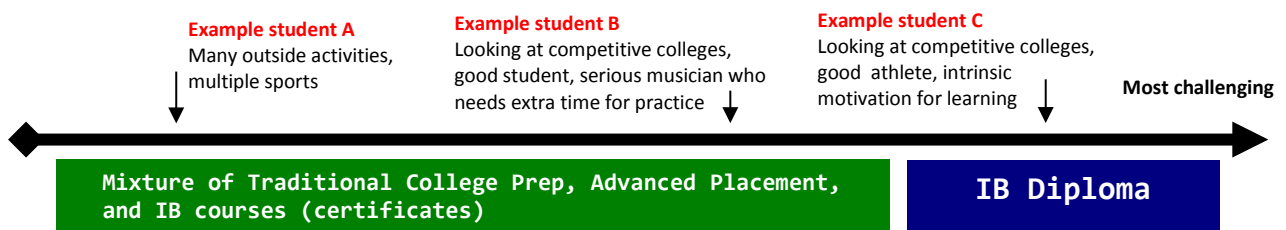


Understanding the Curricular Pathways

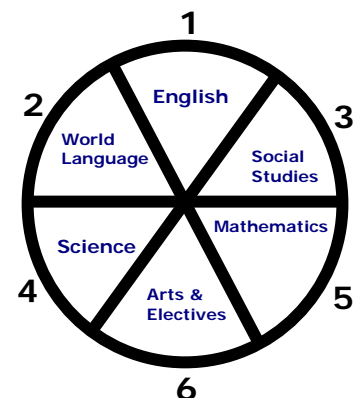
Welcome to Fairview High School! One of the unique characteristics of the Honors Program at Fairview is its self-selection model. This means that students who want to pursue the IB diploma, IB certificates, or take Advanced Placement exams simply register for the courses. The Fairview faculty believes in giving every student the opportunity to challenge him/herself academically. This is why Fairview has developed a wide-ranging academic program which allows students to interface with it a varying levels and quantity. There are no entrance requirements for the IB or AP programs; however, in order to earn an IB diploma or register for AP courses, certain curricular requirements must be met. The following pages provide the guidance necessary to successfully navigate Fairview course offerings, leading to enrollment in ‘**Target**,’ or capstone classes.

Fairview has a proven track record in preparing students for quality college and university study. Well over 90% of our students are college bound, attending the entire range of college and university experiences (community college to Ivy League). There is a singular guiding question that outweighs any others when considering the college admissions process, “What is the most challenging academic program my high school offers, and to what degree can I participate in it?”

Ideally, you should take the most challenging course-load you can handle while at the same time maintaining a sense of balance in your life (i.e. time for family, sports, and hobbies). Student ability levels vary; accordingly, your involvement in the honors program will also vary. What spot on the continuum is best for you?



To earn the IB diploma, students need to take three **Higher Level** and three **Standard Level** examinations, along with the additional holistic requirements: Theory of Knowledge (ToK) course, Extended Essay (EE) project, and Creativity-Activity-Service (CAS) program. Please contact the IB office for additional details on diploma requirements.





Curricular pathways for **Language Arts**

1

Course Title

Each block equals a full year's worth of instruction. The Language Arts curriculum is very straight-forward; students simply move down the chosen curricular pathway.

KEY



Recommended path



Examination course

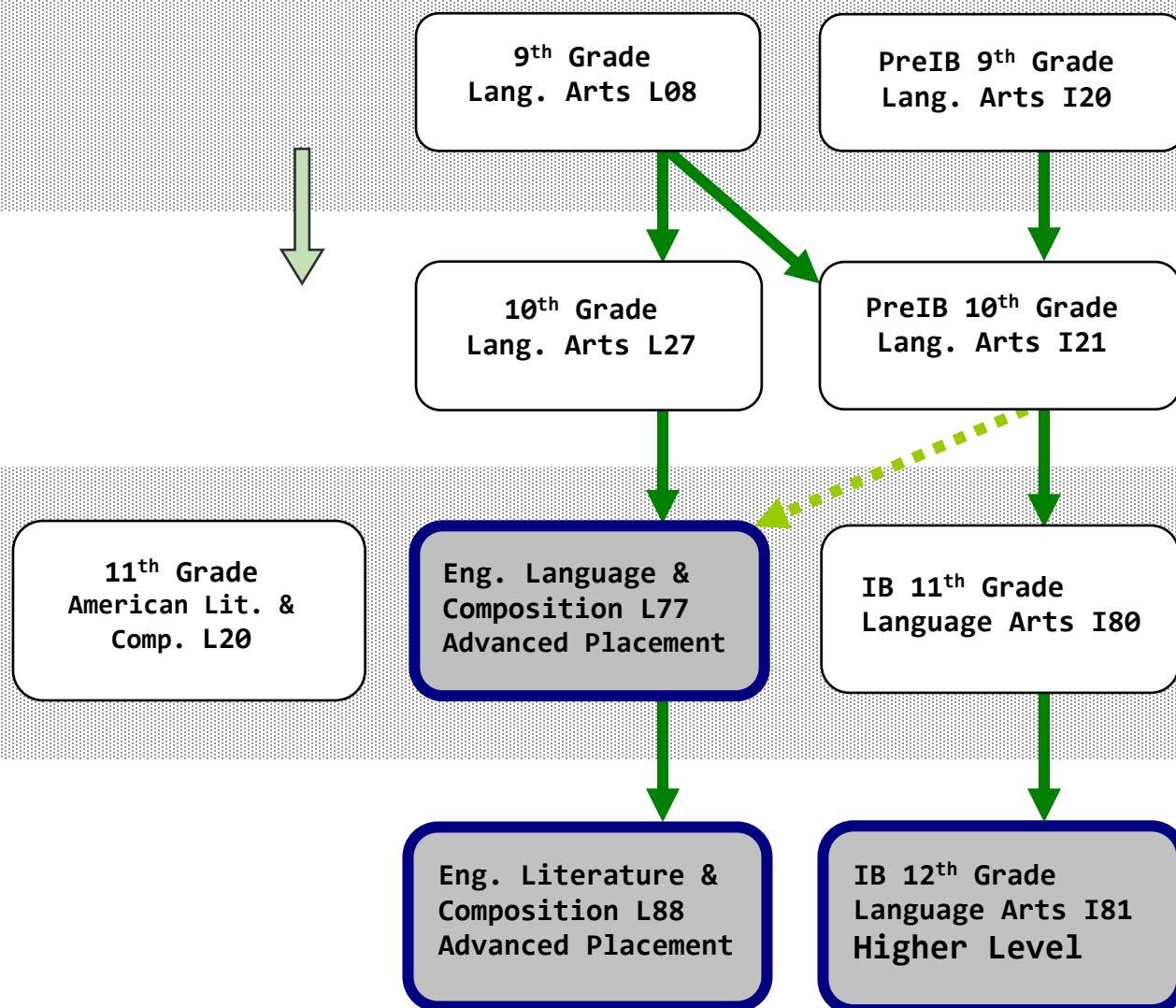


Freshmen

Sophomores

Juniors

Seniors





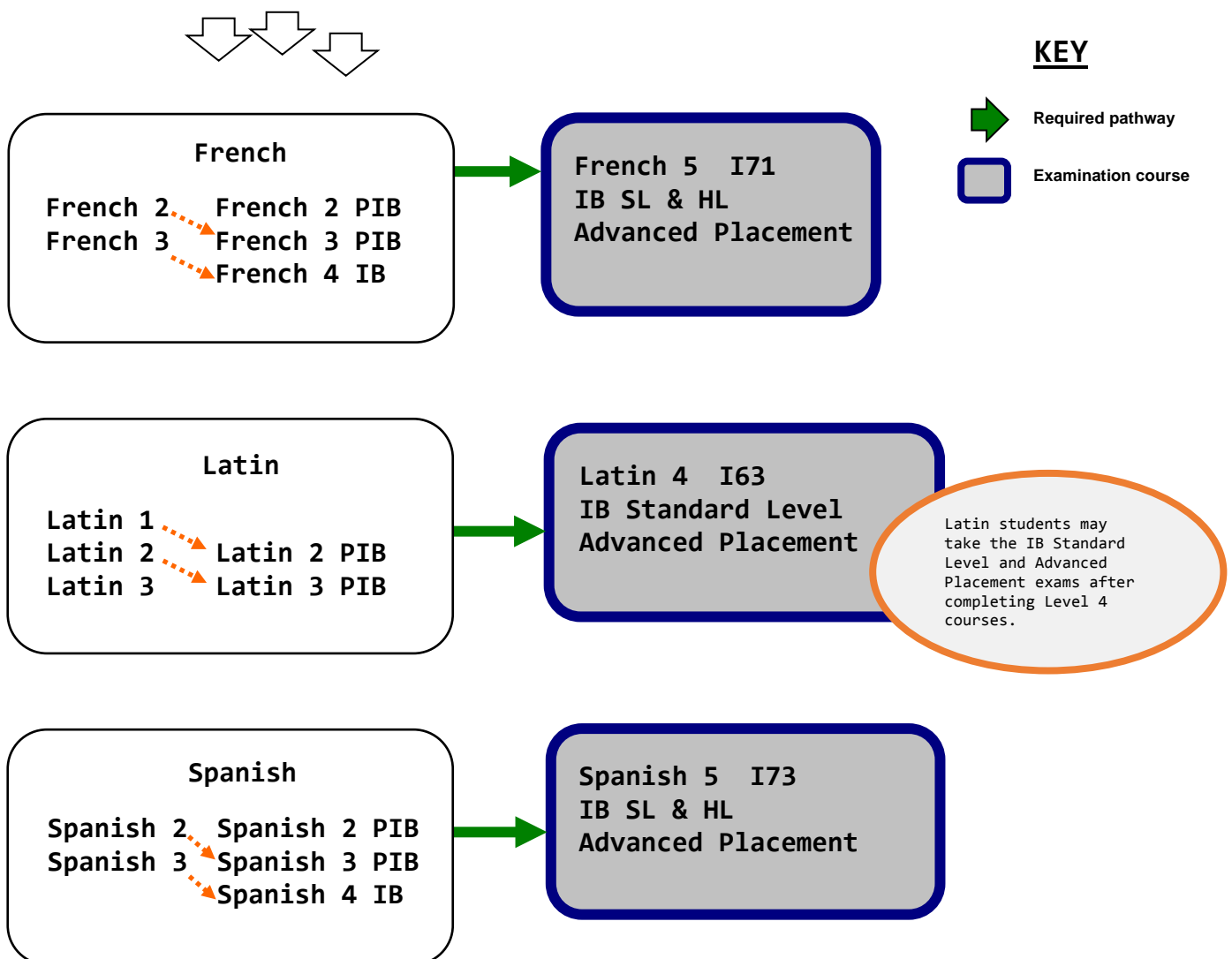
Curricular pathways for **World Language**

The key to having a good curricular pathway in World Language is landing in the right level course in the year when the exam is needed. If you are an IB diploma candidate, then HL exams must be taken in the senior year, otherwise you can take an HL and/or AP exam whenever you are ready. Consulting with your teacher and counselor is the best way to construct an ideal curricular pathway.

2

French & Spanish - Students must get to **Level 5** to take an exam.
Latin - Students must get to **Level 4** to take an exam.

Examination courses include: **IB Higher & Standard Level, Advanced Placement.**

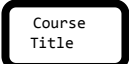




Curricular pathways for **Social Studies**

3 There are many choices for taking advanced courses and exams in Social Studies (both IB and AP), so this makes articulating options a bit difficult. For IB diploma candidates, the one HL option offered is World History HL (also called History of the Americas), and this *must* be done senior year only.

Government, Geography, U.S. History, and World History are BVSD graduation requirements.

Each block  equals a full year's worth of instruction.

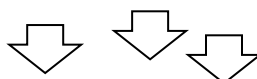
KEY



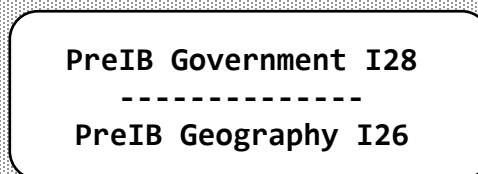
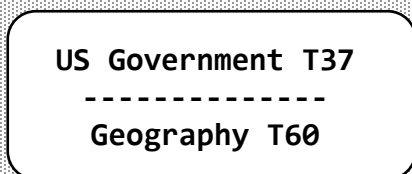
Pathways



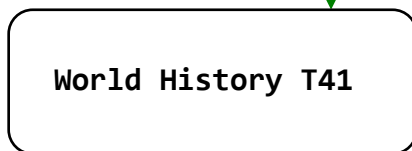
Examination course



Freshmen

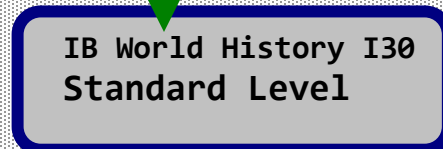
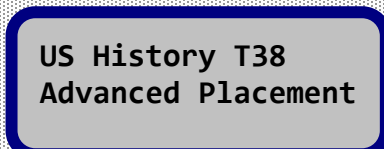


Sophomores

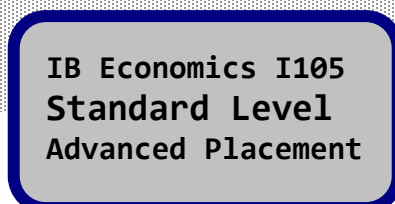
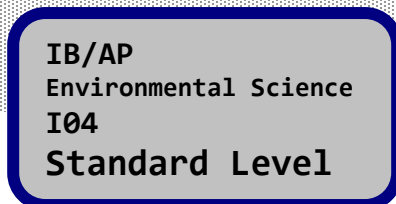


Students coming from T41 or I84 may take any of the Junior Level courses with teacher recommendation.

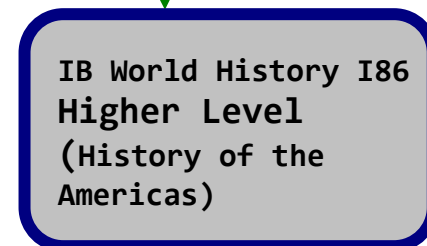
Juniors



Seniors



These courses can be taken in the Junior or Senior year.





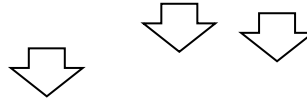
Curricular pathways for Science

4

There are numerous Science options for creating IB diploma pathways. Many diploma candidates utilize two science subjects to fulfill the Group 6 (electives) requirement for the IB diploma. Please consult the *Fairview Academic Planning Guide* for additional details and prerequisites. Consulting with your teachers and counselor is the best way to construct an ideal curricular pathway.

Course Title

Each block equals a full year's worth of instruction. Students get four blocks (freshman through senior year) unless he/she doubles up one year, then he/she gets five.



Freshmen

Students who have completed or are taking I36 concurrently may take IB Biology 1 in 9th grade.

PreIB Chem/Phys I42

Sophomores

IB Biology 1 I40

IB Chemistry 1 I44

Juniors

IBO has placed Comp. Sci. in Group 4 Sciences. See instructor for guidance.

IB Computer Science I23 Standard Level Adv. Placement

IB Environmental Systems & Societies I38 Standard Level

IB Chemistry 2 I48 Standard Level Adv. Placement

IB Physics 1 I75

Seniors

Prerequisite: IB Biology 1 I40
IB Chem 1 I44

IB Biology 2 I43 Higher Level Advanced Placement

These courses can be taken in the Junior or Senior year.

IB Physics 2 I76 Higher Level Advanced Placement

IB Bio/Chem I41

Bio/Chem is a one-semester course, always taken concurrently with I43. It is REQUIRED for Biology HL, and can only be taken in senior year.

KEY

- Pathways
- Examination course



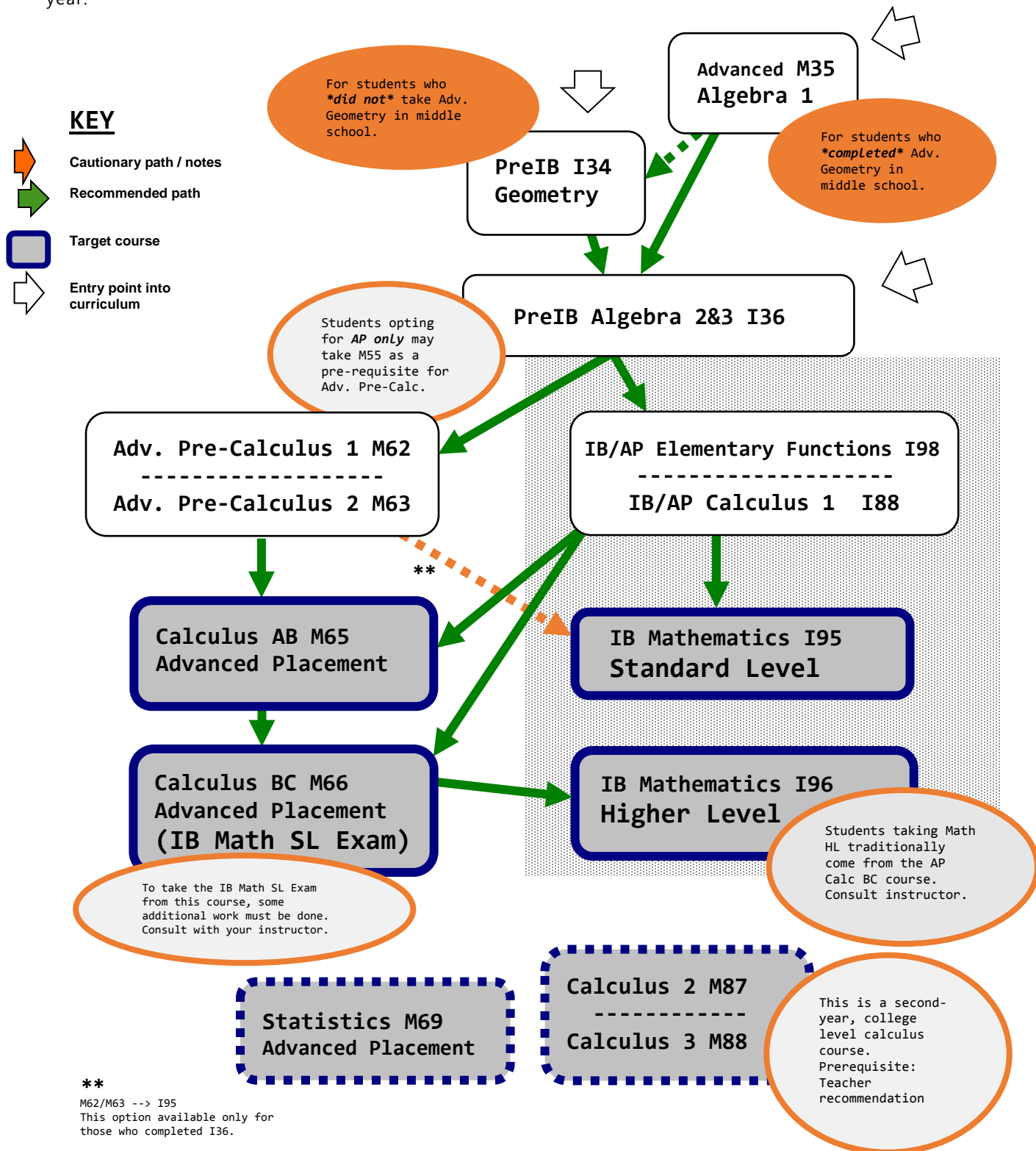
Curricular pathways for Mathematics

5

This chart indicates **RECOMMENDED** and commonly traveled pathways in reaching advanced, capstone courses. Please consult the *Fairview Academic Planning Guide* for additional details and prerequisites. Consulting with your teachers and counselor is the best way to construct an ideal curricular pathway.

Studies in advanced mathematics at Fairview start with Pre-IB courses.

Each block equals a full year's worth of instruction. Students get four blocks, freshman through senior year.





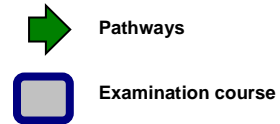
Curricular pathways for Art & Electives

6

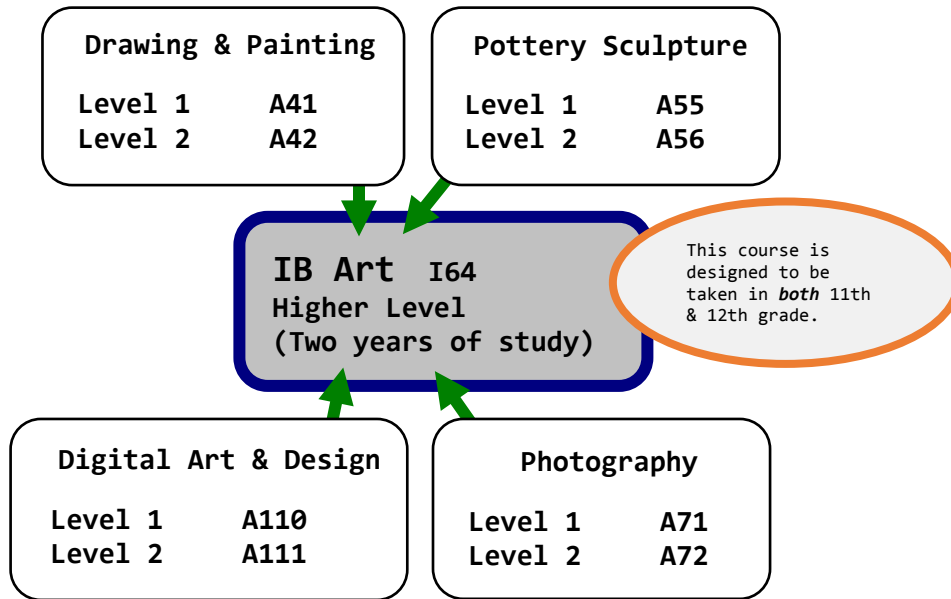
IB diploma candidates need courses and exams in six subjects; this sixth area can be an art subject (Music, Visual Arts, Film) or a second subject from the other groups (e.g. second World Language, Social Studies, or Science). Concerning the Art category of Group 6, there are several pathways to meet requirements, so it is best to consult with teachers to learn best options.

Each block Course Title equals a full year's worth of instruction.

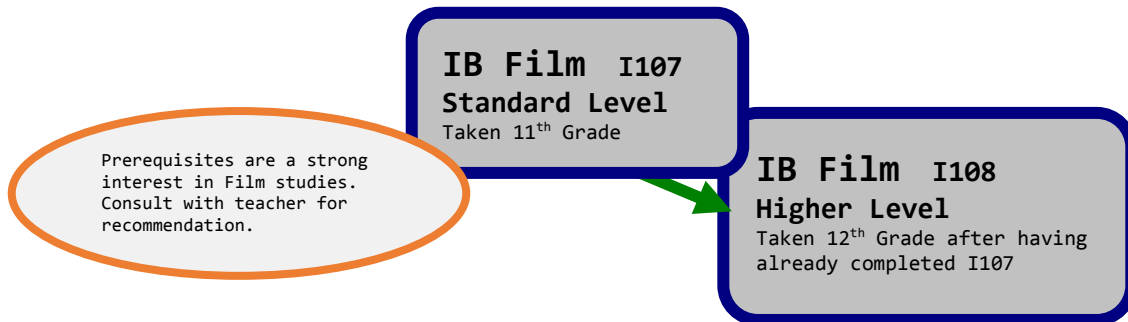
KEY



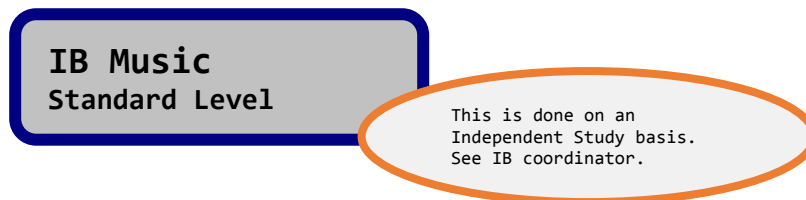
Visual Arts



Film Studies



Music



International Baccalaureate

Mathematics Curricular Pathways in Relation to Science

The charts below indicate the mathematics courses that should be completed prior to taking the respective science courses (prerequisites). In some cases, the math courses can be taken concurrently (as noted); please consult your instructor.

What math will you need?

Biology HL Exam

TAKE THESE CLASSES:

- I42 PreIB Chemistry-Physics
- **I40 IB Biology I**
- **I44 IB Chemistry I**
- I43 IB Biology II (HL)
- I41 IB Biochemistry (HL) (1 semester)

PreIB
Geometry I34

PreIB
Algebra 2&3 I36

I42 PreIB Chemistry-Physics

This is a foundation course for each of the IB sciences. Although not specifically required, it is strongly recommended for IB science exam-bound students.

As a prerequisite, students should have completed a full year of Adv Alg 1, although students may concurrently take Adv Alg 1 (M35).

Additionally, freshmen who enroll in PreIB Alg 2&3 (I36) or higher and are very strong science students, may skip I42.

Chemistry SL Exam

TAKE THESE CLASSES:

- I42 PreIB Chemistry-Physics
- **I44 IB Chemistry 1**
- I48 IB/AP Chemistry II

PreIB
Algebra 2&3 I36

I36 is strongly recommended; M55 is an alternate

Physics HL Exam

TAKE THESE CLASSES:

- I42 PreIB Chemistry-Physics.
- **I75 IB/AP Physics I**
- **I76 IB/AP Physics II**

PreIB
Algebra 2&3 I36

Advanced
Algebra 2 M55

Calculus BC M66
Calculus AB M65
Advanced Placement

If taking the AP exam, students must take Calc. BC (M66) concurrently. Note the prerequisites for M66.

IB Diploma:

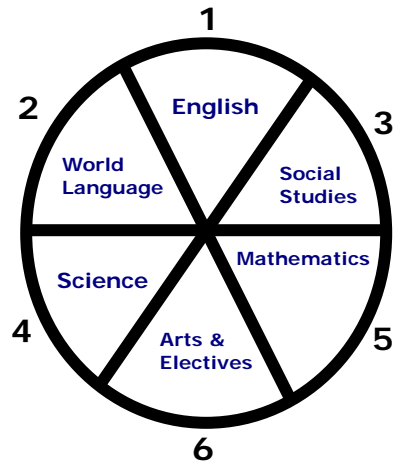
Exams in six different subject areas

- three at Higher Level (HL)
- three at Standard Level (SL)

Theory of Knowledge (ToK) Course

Extended Essay (EE)

Creativity, Activity, Service (CAS)



Questions?

We understand that with many academic choices it can be a bit difficult to navigate the curricular-pathway options. Please contact the IB office with any questions you may have.

1515 Greenbriar Boulevard

Boulder, Colorado 80305

720/ 561-5868

fhs.ib@bvsd.org

bvsd.fhsib.org