

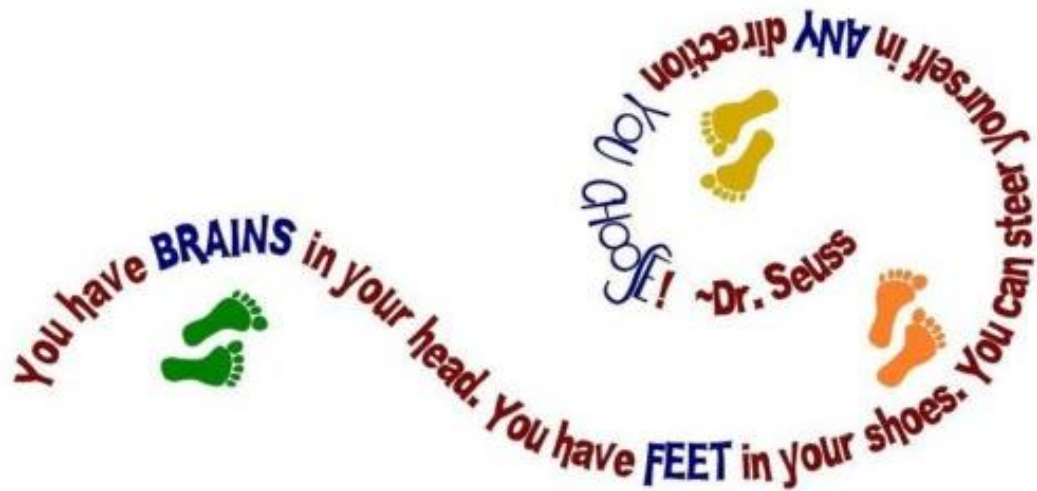


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HIGH SCHOOL

Course Selection Guide

International Baccalaureate Diploma Programme

2017 – 2019

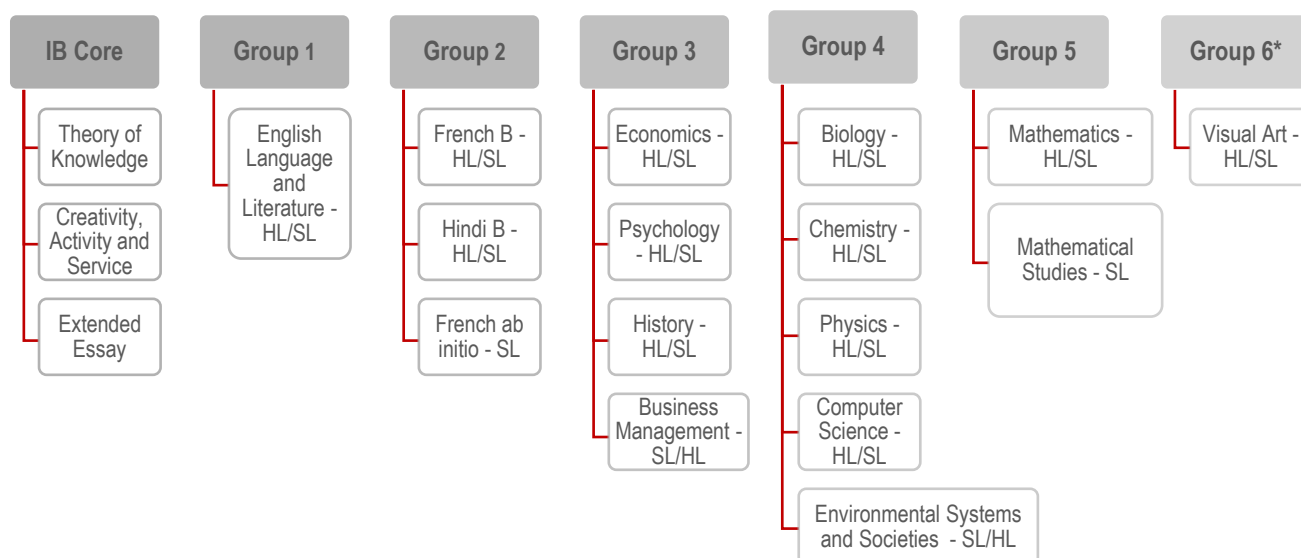


The International Baccalaureate Diploma Programme (IBDP) is a two year, pre-university course, designed to challenge students intellectually, emotionally and spiritually. It aims to cater to students with a wide spectrum of social and intellectual backgrounds, by offering a diverse selection of subjects. The IB's dedication to promoting a peaceful world, through intercultural understanding and high-quality education, is valued by universities across the world.

IB Subjects at SFHS



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* Students need to take one subject each from Groups 1 to 5.

For the sixth subject, students can choose from Group 6, or take another subject from other five groups.

Students need to take 3 Higher Level & 3 Standard Level subjects.

In order to achieve an IB Diploma, students must complete six subjects. They are required to take one subject each from Groups 1 to 5. For the sixth subject, students can choose from Group 6, or take another subject from the other five groups. Generally, each subject is offered at both Standard Level (SL) and Higher Level (HL). Students must take three subjects at Standard Level and three subjects at Higher Level.

Group 1 – Studies in Language and Literature

Subject(s): English Language & Literature – HL/SL

Group 2 – Language Acquisition

Subject(s): French B – HL/SL, Hindi B – HL/SL, French Ab initio – SL

Group 3 – Individuals and Societies

- *Subject(s):* Economics – HL/SL, History – HL/SL, Psychology – HL/SL, Business Management - SL/HL

Group 4 – Sciences

- *Subject(s):* Biology – HL/SL, Chemistry – HL/SL, Physics – HL/SL, Computer Science – HL/SL, Environmental Systems and Societies - SL/HL

Group 5 – Mathematics

Subject(s): Mathematical Studies – SL, Mathematics – HL/SL

Group 6 – The Arts

Subject(s): Visual Arts

In addition to the six subjects, students must also complete the IB core, which consists of

- The Theory of Knowledge (TOK) course, which explores links across subjects and the acquisition of knowledge within and beyond the classroom.
- The Creativity, Activity and Service (CAS) module, which emphasizes engagement in extracurricular activities alongside academic commitments
- Extended Essay, which is an independent research paper written under guidance.

The combination of IB subjects offered at SFHS aims to balance the requirement for specialization in some countries and diversity of study preferred in others. When choosing subjects for further study, it is vital that students and parents carefully consider the prerequisites of their intended field. Irrespective of the subjects chosen, the IB curriculum helps students to develop their analytical skills, language skills, their views of the world and delve deeper into the scientific forces that determine our global environment.

All IB subjects are evaluated through externally assessed coursework or internally assessed coursework that is externally moderated. The proportion of internal and external assessments varies across subjects.

Selection into Grade 11

The IB programme is intellectually rigorous and rewarding. Through our structured admission process, we ensure that majority of our students who are admitted in the programme enjoy a favourable outcome at the end.

Selection of IB subjects

In order to help our students select subjects for the IB DP, we have compiled a list of the most appropriate subject choices for popular fields of study. Students may use this as a guide to select their subjects and the level of rigor for each subject. Academic requirements will differ based on the nature of the academic field and the proposed country of higher study. Competitive universities usually prefer the most rigorous subject combinations. While such combinations display academic ambition, they are most desirable when substantiated by favourable outcomes. On the other hand, selecting a less challenging subject combination for the sole purpose of grade accumulation will place the candidate at a disadvantage in a competitive pool of applicants. Hence, we recommend that students and their parents with our support conduct thorough research on their intended field of study. The school has instituted various systems to ensure that the combination of subjects for each student is aligned his/her future professional goals.

| <i>Field of Study</i> | <i>Proposed IB Subject Combinations</i> |
|------------------------------|---|
| <i>Architecture</i> | Mathematics, Physics and Visual Arts at Higher Level. Some universities may require a portfolio |
| <i>Engineering</i> | <i>Mechanical, Electrical, Marine Engineering:</i> Mathematics and Physics at Higher Level |
| | <i>Chemical, Materials Science & Engineering:</i> Mathematics and Chemistry at Higher Level. Physics at Higher Level is recommended; Standard Level at least. |

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| | <i>Bioengineering</i> : Mathematics and Biology at Higher Level. Chemistry at Higher Level is recommended; Standard Level at least. |
| | <i>Civil and Environmental Engineering</i> : Mathematics and Physics at Higher Level. Chemistry at Higher Level is recommended; Standard Level at least. |
| <i>Medicine</i> | Chemistry and Biology at Higher Level. Mathematics at Higher Level is recommended; Standard Level at least. |
| <i>Computer Science/Information Technology</i> | Mathematics, Computer Science and Physics at Higher Level. Visual Arts at Standard Level, at least. |
| <i>Economics/Business</i> | Mathematics and Economics at Higher Level. Psychology or History at Standard Level at least. |
| <i>Law</i> | History and English Language and Literature at Higher Level |
| <i>Psychology</i> | Psychology at Higher Level. Mathematics at Standard Level or Mathematical Studies (Standard Level), at least. Biology at Standard Level, at least. |
| <i>Biology</i> | Biology and Chemistry at Higher Level. Mathematics at Standard Level or Mathematical Studies (Standard Level), at least. |
| <i>Pharmacy/Pharmacology</i> | Chemistry at Higher Level and Biology at Standard Level, at least. |
| <i>Philosophy, Politics, Economics (PPE)</i> | Economics, History and Mathematics at Higher Level. |
| <i>Media</i> | English Language and Literature at Higher Level. Visual Arts at Standard Level, at least. |
| <i>Graphics, Arts, Design, Textiles</i> | Visual Arts at Higher Level. A portfolio of work may also be required. |

Our timetable for the IBDP has been created to accommodate selection of subjects which are required for the aforementioned career paths. In order to cater to the widest variety of subject preferences, there is a restriction on certain combinations of subjects that we can offer. Following is a list of subject combinations, which are currently not permissible, given the structure of our timetable:

- Biology / Physics / Art – Choose One
- Chemistry / Computer Science / French ab initio – Choose One
- Psychology / History – Choose One

At SFHS, we welcome differences in intellectual preferences. Therefore, if there is significant student interest in a particular subject combination, we can consider it, upon special request.