

COURSE SELECTION 2019-2020

THE UPPERCLASSMEN YEARS

CHOOSING LEVELS (HL/SL)

Make your choice based on interest and motivation.

Ask lots of questions about each subjects differences by level.

Speak with your counselor.

Research what colleges are looking for.



WHEN PLANNING YOUR COURSES

There are situations when a course that is requested does not work in the schedule because of low numbers. This applies to Groups 3, 4, and 6. We will contact you individually if alternate choices have to be made.

GROUP 1 SELECTION: LANGUAGE & LITERATURE

CHOOSE ONE:

ENGLISH
LITERATURE A SL

OR

ENGLISH
LITERATURE A HL



GROUP 2 SELECTION: LANGUAGE ACQUISITION

CHOOSE ONE:

LANGUAGE B SL

OR

LANGUAGE B HL

*LANGUAGE B = FRENCH,
GERMAN, SPANISH



GROUP 3 SELECTION: INDIVIDUALS & SOCIETIES

CHOOSE ONE:

- ECONOMICS SL
- ECONOMICS HL
- GEOGRAPHY SL
- GEOGRAPHY HL
- GLOBAL POLITICS SL
- GLOBAL POLITICS HL
- HISTORY SL
- HISTORY HL
- PSYCHOLOGY SL
- PSYCHOLOGY HL



GROUP 4 SELECTION: SCIENCES

CHOOSE ONE:

BIOLOGY SL
BIOLOGY HL
CHEMISTRY SL
CHEMISTRY HL
PHYSICS SL
PHYSICS HL



GROUP 5 SELECTION: MATHEMATICS

CHOOSE ONE:

MATH: APPLICATIONS & INTERPRETATIONS SL

MATH: ANALYSIS & APPROACHES SL

MATH: APPLICATIONS & INTERPRETATIONS HL

MATH: ANALYSIS & APPROACHES HL

FURTHER MATH HL IS NO LONGER A COURSE OFFERED



GROUP 5 SELECTION: MATHEMATICS

What to consider:

MATH: APPLICATIONS & INTERPRETATIONS -

Emphasis on statistics, modeling and use of technology; aimed at students who will go on to study social sciences, natural sciences, statistics, business, some economics, psychology, and design

MATH: ANALYSIS & APPROACHES -

Emphasis on analytical methods with an emphasis on calculus; aimed at students who will go on to study subjects with substantial mathematical content such as math itself, engineering, physical sciences, or some economic courses

GROUP 6 SELECTION: THE ARTS+

CHOOSE ONE:

- BUSINESS MGT SL
- BUSINESS MGT HL
- COMPUTER SCIENCE SL
- DESIGN TECHNOLOGY SL
- DESIGN TECHNOLOGY HL
- ENVIRONMENTAL S&S SL
- MUSIC SL
- MUSIC HL
- VISUAL ARTS SL
- VISUAL ARTS HL
- SPORTS, EX., & HEALTH SCIENCE SL
- SPORTS, EX., & HEALTH SCIENCE HL

or



A second Social Studies (Group 3) course or a second Science (Group 4) course.

THE DIPLOMA PROGRAM CORE

YOU ARE AUTOMATICALLY ENROLLED IN:

**THEORY OF KNOWLEDGE SL
CAS**

**CAS AND EE ARE REQUIRED ELEMENTS OF THE DIPLOMA PROGRAM BUT ARE NOT COURSES ON YOUR SCHEDULE.*

**WE WILL DISCUSS EE WITH MS. BUCHOVECKY IN JANUARY.*



THE DIPLOMA PROGRAM ROUTES

Diploma Candidacy: Complete 3 Higher Level (HL) courses, 3 Standard Level (SL) courses, Theory of Knowledge course, 7 CAS Outcomes, and an Extended Essay in a subject area of your choice

**The EE process will begin in January of 2020.*

Course Candidacy: Complete an 6 IB courses with one from each group including up to 3 HL's, Theory of Knowledge Year 1, and 40 hours of CAS

HOW WE REPORT RIGOR TO COLLEGES...

Curriculum

Is the applicant an IB diploma candidate? * Yes No

Is the applicant an Advanced Cambridge (AICE) Diploma Candidate? * Yes No

Is the applicant an AP Capstone Diploma Candidate? * Yes No

In comparison with other college preparatory students at our school, the applicant's course selection is:

- (Prefer not to respond)
- Most demanding
- Very demanding
- Demanding
- Average
- Below average

Volunteer Service

← IB Diploma Candidates

IB Course Candidates →

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THE PATHWAYS

CHOOSE ONE STRAND:

BIOTECHNOLOGY I,II,III

HEALTH & MEDICINE I,II,III

DESIGN ENGINEERING I,II,III

ROBOTICS I,II,III

FORENSICS I,II,III

IMEDIA, BROADCASTING, TECHNOLOGY INNOVATIONS

INTERACTIVE DESIGN, WEB DESIGN, GAME DESIGN

INFORMATION SCIENCE, SYSTEMS, & SERVICES I,II,III

GLOBAL MARKETING, FINANCE, STEM, INC.

STATISTICS, DISCRETE MATHEMATICS, MATHEMATICAL

MODELING

**PATHWAYS ARE NON-IB COURSES THAT MEET 4 TIMES PER CYCLE*

SELECTING YOUR COURSES

eSchoolPlus+

District: Downingtown Area School District

Building: STEM Academy

Student Name:

Daily Summary for Wednesday, January 30, 2013

Log Out

- Daily Summary
- Schedule
- Attendance
- Classwork
- Interim progress
- Report Card
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- My Profile

Today's Attendance

No attendance information has been entered for this student today.

Today's Schedule

| Period | Course | Description | Teacher | Room |
|-------------------------|-----------|---|---------------------|------|
| 5 (07:25 AM - 09:00 AM) | S0234 - 3 | Algebra II Grade 9/10 | Cole, M | B211 |
| 6 (09:04 AM - 10:34 AM) | S0124 - 9 | Civics and Government Gr 10 | Wolf, Thomas | B215 |
| 7 (11:12 AM - 12:42 PM) | S4024 - 7 | Chemistry Grade 10 | McCafferty, Theresa | C221 |

Classwork For This Week

| Course | Description | Teacher | Date Assigned | Date Due | Assignment |
|-----------|----------------------|-------------------|---------------|------------|--|
| S0820 - 4 | Health & Wellness II | Morrow, Elizabeth | | 01/29/2013 | Cardio & Partner WOD |

IMPORTANT DATES TO REMEMBER

January 22nd: Presentation to all students during Advisory & Seminar

January 31st: Parent Presentation (same presentation)

February 4th - February 11th: Online Course Selection Window Open

February 14th: Signed Course Selection sheets due to teacher identified on top of course selection sheet. Sheets must be signed by a parent/guardian.

THE BREAKOUT SESSIONS

Questions to ask when visiting breakout rooms today:

1. What's the distinction between HL and SL for the course?
2. What topics will be covered?

BREAKOUT ROOM LOCATIONS

- 101 English HL/SL; Theory of Knowledge
- 102 Economics HL/SL; History HL/SL
- 104 Psychology HL/SL
- 105 Geography HL/SL, Global Politics HL/SL
- 106 French & German HL/SL
- 109 Spanish HL/SL
- 110 Math HL and Math SL
- 112 Physics & Chemistry HL/SL
- 114 Biology HL, Environmental SL, Biotechnology Pathway, Health & Medicine Pathway
- 115 Sports Exercise & Science HL/SL
- KnowCo Business HL/SL, Comp. Sci. SL, Design Tech HL/SL, Pathways
- 009 Visual Art HL/SL
- 010 Music HL/SL, Choir, Orchestra

Questions about Information Services, Sciences, & Systems Pathway can be directed to Mr. Krause at mkrause@dasd.org