SOPHOMORE YEAR

PD American Literature
PD Modern Language (French, German, Spanish)
PD US History and the Modern World*
  *Blended model available
PD Biology
PD Chemistry*
  *Blended model available
PD Mathematics (Algebra II, Math Analysis, or Advanced Topics in Mathematics)
Health & Wellness II

*All core courses meet 9 periods per cycle.
CHOOSING BETWEEN HL & SL COURSES

Make your choice based on interest and motivation.

Ask lots of questions today about each subject's differences by level.

Speak with your counselor.

Research what colleges are looking for.
What To Expect…

Internal Assessments (IA’s) occur in every course spread out over the two years. All students are expected to complete all IA’s for all courses. The IA in each course carries a different weight towards the course grade.

External Assessments (EA’s) occur in the first three weeks of May in the senior year. The only classes that do not have EA’s in May are Visual Arts and TOK. All students are expected to complete all EA’s for all courses. The IA in each course carries a different weight towards the course grade.

Required Group 4 Project in Fall/Winter of junior year.

Scheduled CAS meetings every cycle.

Extended Essay process starts 2nd semester of junior year and finishes end of 1st semester senior year.
Group 1
Language & Literature

Every student must choose between

English A Literature HL
English A Literature SL

*Both courses require the same IB Assessments
*Works studied are different

Questions can be asked in Room 106
Group 2
Language Acquisition

Every student must choose among

French B HL
French B SL
German B HL
German B SL
Spanish B HL
Spanish B SL

*Both courses require the same IB Assessments

Questions can be asked in Room 104 and 105
Group 3
Individuals & Societies

*Every student must choose between*
History of the Americas HL
History of the Americas SL
Economics HL
Economics SL
Psychology HL
Psychology SL
Geography HL
Geography SL
Global Politics HL
Global Politics SL

*Both courses require the same IB Assessments with the addition of an additional seated exam in May 2020 for HL*

Questions can be asked in Room 101 and 102
Group 4
Experimental Sciences

Every student must choose between
Biology HL
Biology SL
Chemistry HL
Chemistry SL
Physics HL
Physics SL

*Both courses require the same IB Assessments with different expectations for HL

Questions can be asked in Room 110
Every student must choose between

Mathematics HL
Mathematics SL
Math Studies SL

*Both courses require the same IB Assessments with an additional seated exam in May 2020 for HL

Questions can be asked in Room 109
Group 6: The Arts (+Electives)

Every student must choose one among:

- Business Management HL
- Business Management SL
- Computer Science SL
- Design Technology HL
- Design Technology SL
- Environmental Systems & Societies SL
- Sports, Exercise, & Health Science HL
- Sports, Exercise, & Health Science SL
- Further Mathematics HL
- Visual Arts HL
- Visual Arts SL
- Music HL
- Music SL (Performing or Creating)

or a second Group 3 or Group 4 course

Questions can be asked in Room 110 and KC
IB Core

All Diploma Candidates are expected to complete the following:

**Theory of Knowledge SL**
*meets 4 times per cycle
*no seated exams in May 2020
*all juniors are expected to complete the course regardless of diploma candidacy status

**Extended Essay**
*4,000 word research project
*Can be done on the topic of your choice
*Not part of a course
*EE work will begin in January 2019

**Creativity, Action, & Service**
*Students must address CAS learning outcomes
*CAS is not a graded course
IBDP PREPARATION

*All underclassmen courses are back mapped from the corresponding IB courses.

*Mock IB Assessments - both written and oral

*Modified rubrics with common language

*Introduced IB terminology (IA, EE, WA, IOC, IOP, etc)
**PROGRAM STRUCTURE**

**Diploma Candidacy:** Complete 3 Higher Level (HL) courses, 3 Standard Level (SL) courses, Theory of Knowledge course, Successful completion of CAS, and an Extended Essay

*Diploma Candidacy Alternative:* Complete 4 HL courses instead of 3 HL courses along with all other diploma requirements listed above.

**Course Candidacy:** Complete an 6 IB courses with one from each group including up to 3 HL’s, Theory of Knowledge Year 1, and 60 hours of CAS
DIPLOMA PROGRAM AWARDING

Each course from Groups 1-6 are awarded scores from 1 to 7. Theory of Knowledge and Extended Essay are worth up to 3 bonus points.

The magic number is **24 points**.

Candidates must also meet the following criteria:

- Completion of CAS.
- Earn a passing grade in TOK and EE.
- Earn at least 12 total points from the HL courses.
  *Earn at least 12 points from highest 3 HL courses if taking 4 HL’s.*
- Earn at least 9 total points from the SL courses.
  *Earn at least 6 points from 2 SL courses if taking 4 HL’s.*
- Earn no more than 3 scores of 3.
- Earn no more than 2 scores of 2.
- Earn no scores of 1.
- Submit all required IA’s and EA’s.
STEM PATHWAYS

Biotechnology I,II,III
Health & Medicine I,II,III

Info. Science, Services, & Systems I,II,III
Global Marketing, Finance, & STEM,Inc.

Design Engineering I,II,III
Robotics I,II,III
Forensics I,II,III

iMedia, Filmmaking, Tech. Innovations
Interactive Design, Web Design, Game Design
WHAT THIS COULD LOOK LIKE NEXT YEAR?

1\textsuperscript{ST} PD: HISTORY HL
2\textsuperscript{ND} PD: ENGLISH SL
3\textsuperscript{RD} PD: BIOLOGY HL
4\textsuperscript{TH} PD: TOK/FORENSICS I,II
5\textsuperscript{TH} PD: MATHEMATICS SL
6\textsuperscript{TH} PD: GERMAN HL
7\textsuperscript{TH} PD: COMPUTER SCIENCE SL

*Extended Essay and CAS will occur outside of the IB core classes but will have a structured setting.
STEM PRACTICUM

3 Semesters of Pathway

Soft Skills Workshops, Lunch & Learns, Field Trips, Guest Speakers,

21 Hours Of Experience In A Real World Setting Alongside Professionals In A Field Of Your Interest
Students will take close to or earn more than 7.0 credits during their junior and senior years.

Students will earn a minimum of 25.98 credits by graduation, exceeding the district’s 24 credits required for graduation.

Students can earn a Downingtown diploma **AND** an IB Diploma. If the IB Diploma requirements are not met, students can earn an IB certificate that lists the content areas along with their Downingtown diploma.
**STEM ACADEMY COURSE WEIGHTING**

GPA = \( \frac{\text{Quality points earned upon the final course grade}}{\text{Total credits attempted}} \)

Pre Diploma level, Pathway, and IB Standard Level courses have an additional 0.5 weight. IB Higher Level Courses will have an additional 1.0 weight. [THIS MEANS THAT MOST COURSES AT STEM WILL RECEIVE THE EQUIVALENT OF HONORS OR AP WEIGHT]
All Band, Orchestra, and Choir students must enroll in the Seminar only option in their Junior and Senior year.
**Course Selection Process**

### Daily Summary for Wednesday, January 30, 2013

#### Today's Attendance

No attendance information has been entered for this student today.

#### Today's Schedule

<table>
<thead>
<tr>
<th>Period</th>
<th>Course</th>
<th>Description</th>
<th>Teacher</th>
<th>Room</th>
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</thead>
<tbody>
<tr>
<td>5 (07:25 AM - 09:00 AM)</td>
<td>S0234 - 3</td>
<td>Algebra II Grade 9/10</td>
<td>Cole, M</td>
<td>B211</td>
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<tr>
<td>6 (09:04 AM - 10:34 AM)</td>
<td>S0124 - 9</td>
<td>Civics and Government Gr 10</td>
<td>Wolf, Thomas</td>
<td>B215</td>
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<tr>
<td>7 (11:12 AM - 12:42 PM)</td>
<td>S4024 - 7</td>
<td>Chemistry Grade 10</td>
<td>McCafferty, Theresa</td>
<td>C221</td>
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#### Classwork For This Week

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Teacher</th>
<th>Date Assigned</th>
<th>Date Due</th>
<th>Assignment</th>
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</thead>
<tbody>
<tr>
<td>S0820 - 4</td>
<td>Health &amp; Wellness II</td>
<td>Morrow, Elizabeth</td>
<td>01/29/2013</td>
<td></td>
<td>Cardio &amp; Partner WOD</td>
</tr>
</tbody>
</table>
COURSE SELECTION PROCESS
IMPORTANT DATES

January 29th: Presentation to all students during Advisory & Seminar

January 31st: Parent Presentation

February 5th - February 13th: Online Course Selection Window Opens

February 14th: Signed Course Selection for 9th graders are due to Physics teacher, 10th graders should turn their forms into their Biology teachers