8th Grade Open House
Advanced Learning

Progression of program from grade 9 through grade 12
Including specifics about math!
A thorough review of the International Baccalaureate Program
Historical IB performance
AP and IB and ….credit
The Senior year
College Matriculation
Next Steps

13 Jan 2026

History of AL at Interlake

Needs for AL services

The opportunity to interact with other gifted students as well as have a “normal” high school experience

A program designed to ensure that students who access gifted services are not lost in traditional high school academics

Key Elements

Ability to participate in traditional high school activities

IB Diploma at the end of grade 11

Potential for AP Exams

College-level courses

Internship in grade 12

Upcoming registration events, dates TBD

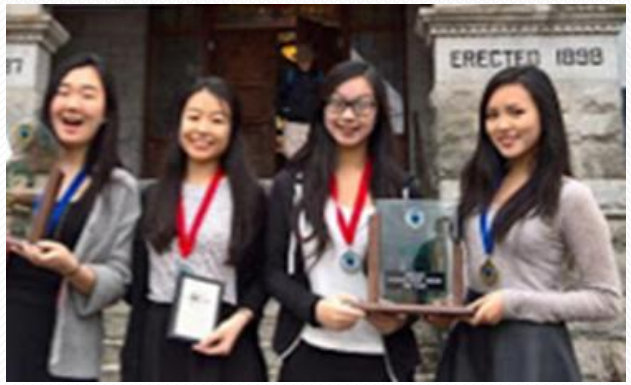
end of February or early March	Registration presentation Odle and Tyee (students only)
mid-March	Registration Packets picked up at Odle and Tyee; 1 on 1 counseling

email Michael O'Byrne at *obyrnem@bsd405.org*

Involvement in school life

There are students in AL represented in nearly every sport and many of the clubs we offer at Interlake, for example:

ASB and Leadership	Orchestra and Band
Chess Team	Math Club
Science Bowl	Robotics Club
DECA	Model UN
Green Team	CAS projects



Grade 9 academics

Group	classes
1	AL English 9
2	Spanish, French, or Chinese
3	AL AP World
4	AL Chemistry (modeled on IB Chem SL)
5	AL Algebra 2 IB Math Applications and Interpretations HL 1 (Precalculus) AP Calculus AB
6	Elective
7	PE

AP World

ART

Why do IB (and/or AP)?

"Curriculum-based achievement tests are the fairest and most effective assessments for college admissions and have important incentive or signaling effects for our K–12 schools as well: They help reinforce a rigorous academic curriculum and create better alignment of teaching, learning and assessment all along the pathway from high school to college." (4)

Richard C. Atkinson, president emeritus, University of California, and Saul Geiser, University of California, Berkeley, Center for Studies in Higher Education, Reflections on a Century of College Admissions Tests, April 2009

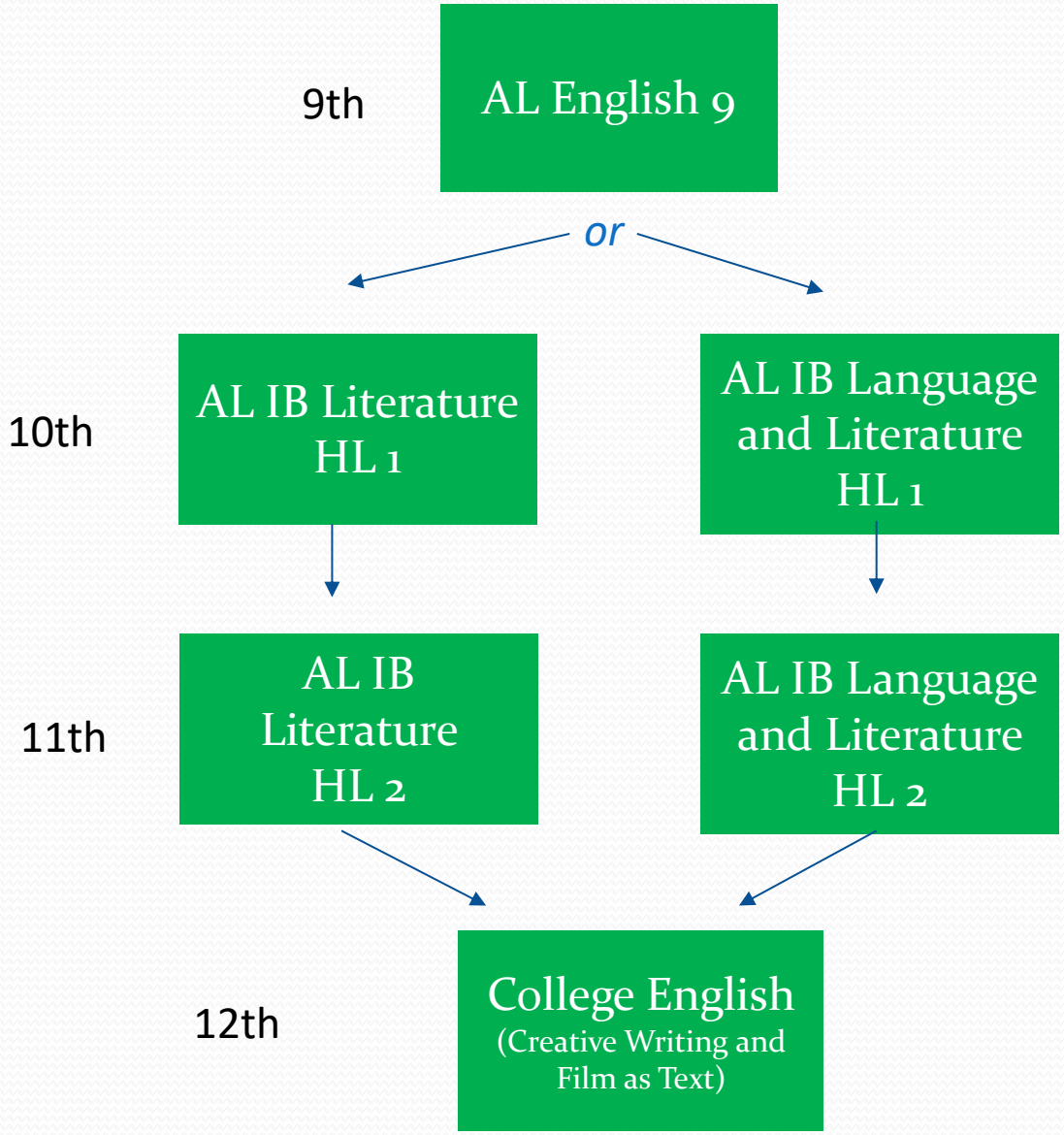
IB Requirements

One subject from each of the six groups

At least three but not more than four taken at higher level (HL)

Others at standard level (SL)

Group 1
First Language (English)

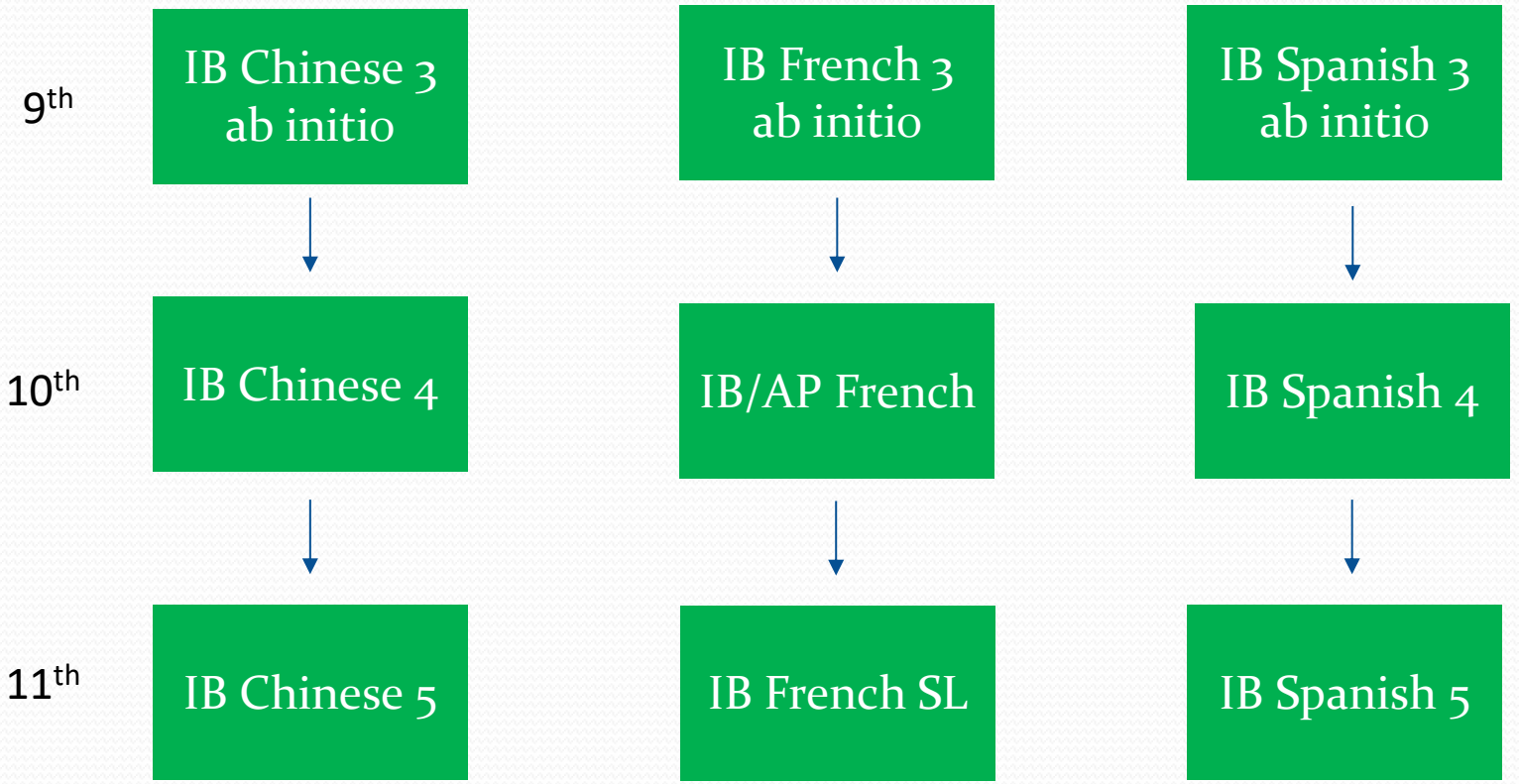


Group 2 Second Language

IB assessment name	**How to complete at Interlake**
IB Language B SL IB Language B HL	At least to level 4 to complete SL in 11th grade At least level 5 to complete HL in 11th grade (most choose SL)
IB Language *ab initio* SL "from the beginning"	2 or 3 years of Spanish, French or Chinese Assessed in the 2nd year of the IB Diploma (11th grade) only.
IB Language and Literature A SL IB Language and Literature A HL	Bilingual class in the 9th grade followed by native language classes in 10th and 11th grades Results in dual-language diploma
IB Literature A SL (school supported self study)	Plan with IB Office and enroll in a 1-year "open" period to complete readings and assessments Results in dual-language diploma

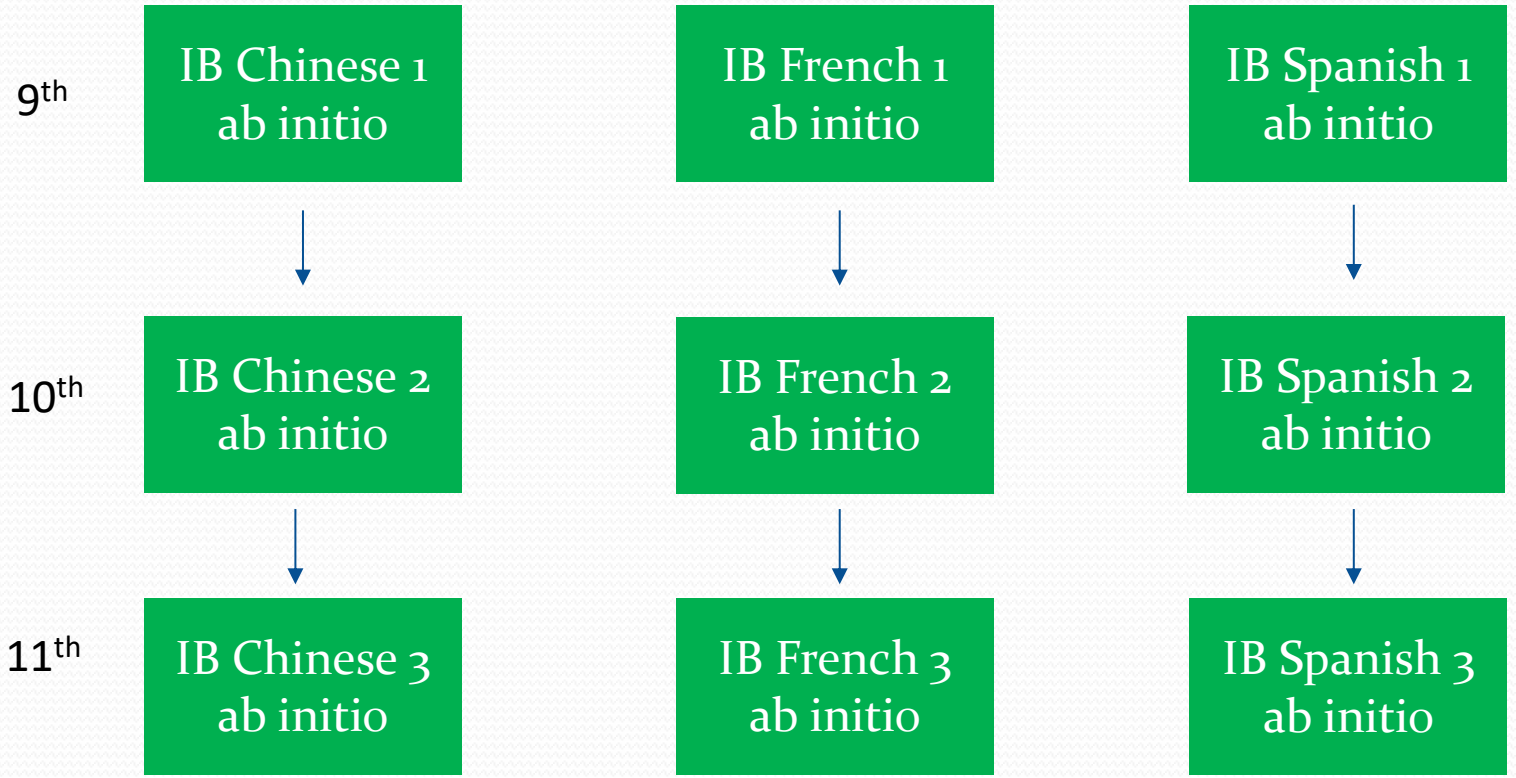
Group 2 Language B

Most students do not continue with a second language in the grade 12 but space is available in the schedule.



Group 2 Language ab initio

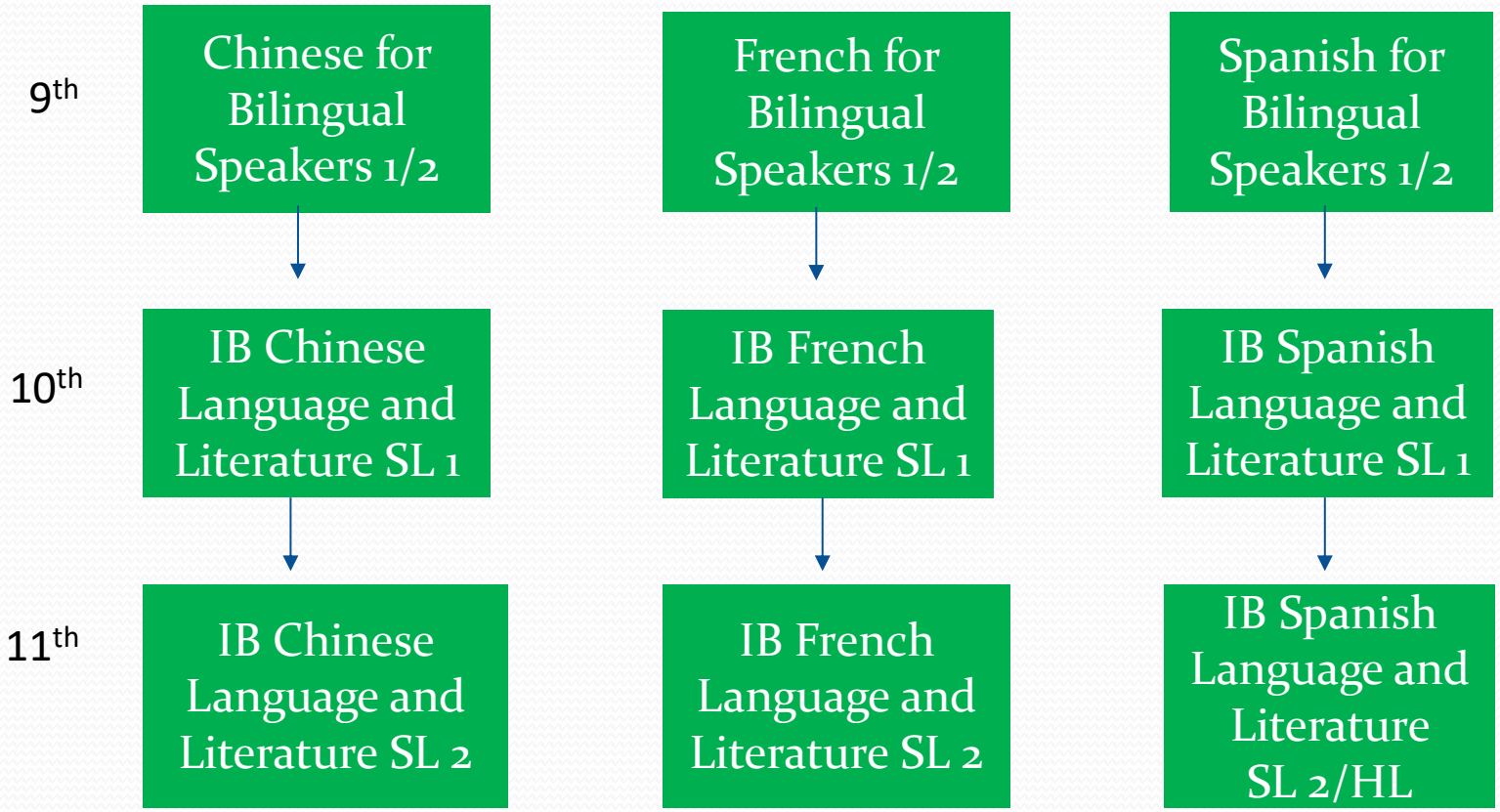
Language ab initio is for students who have no formal experience in the target language. Language ab initio is completed during the 3 years of the IB Diploma at Standard Level (SL) only. The assessments and exams may only be completed at the end of the 2nd year of the IB Diploma. Student may also attempt ab initio in year 2 (again during 2nd year of the IB Diploma).



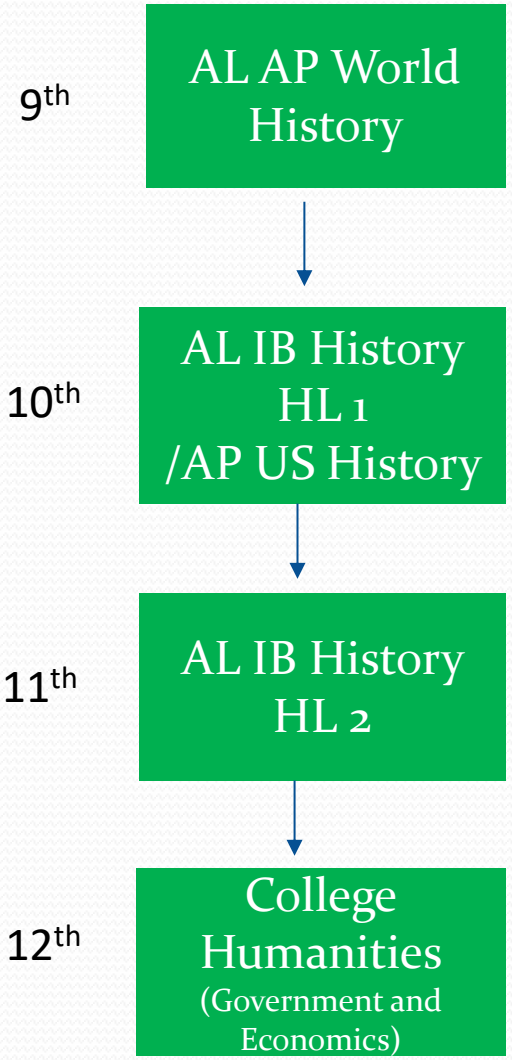
Group 1 Other Languages

Students who complete a second Group 1 subject (to replace the Group 2 requirement) earn a Bilingual IB Diploma

Native Speaker School Supported Self Study is available for other languages and is assessed at Literature A SL only



Group 3 Individuals and Societies



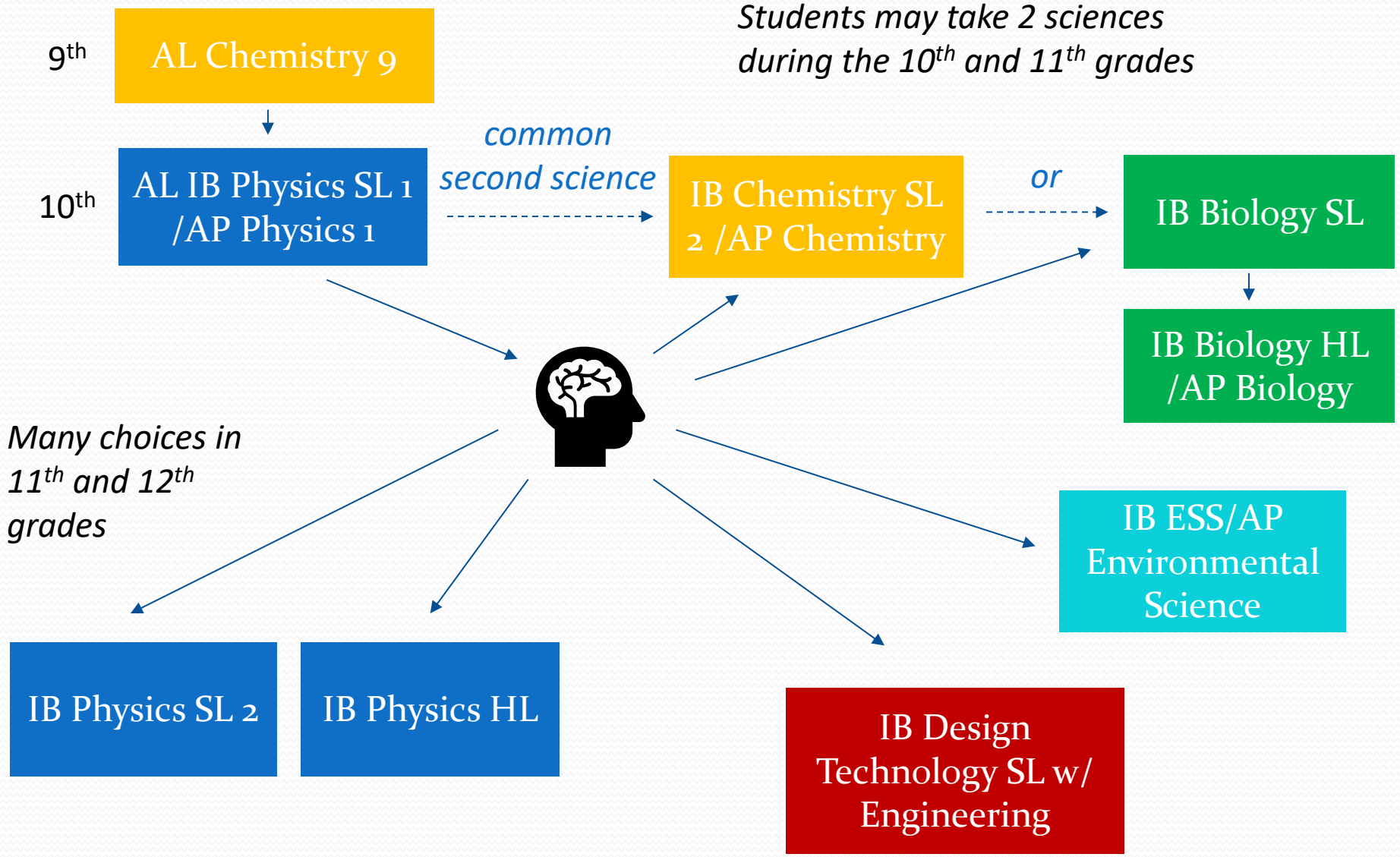
IB ESS SL/AP Environmental Science

IB Psychology SL

IB Business and Management SL → IB Business and Management HL

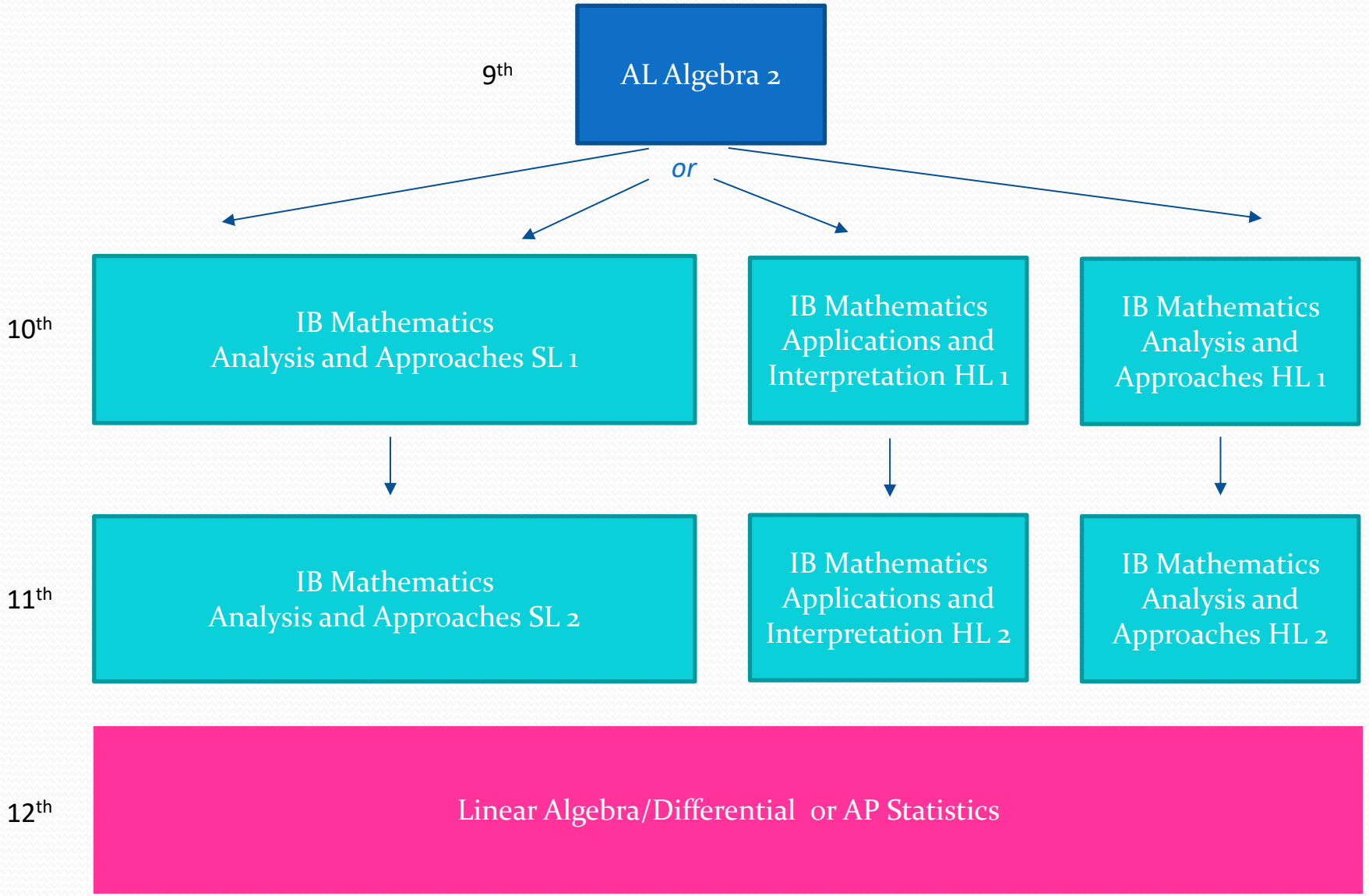
Other Group 3 subjects may be taken in the Group 6 slot

Group 4 Science



Group 5 Math

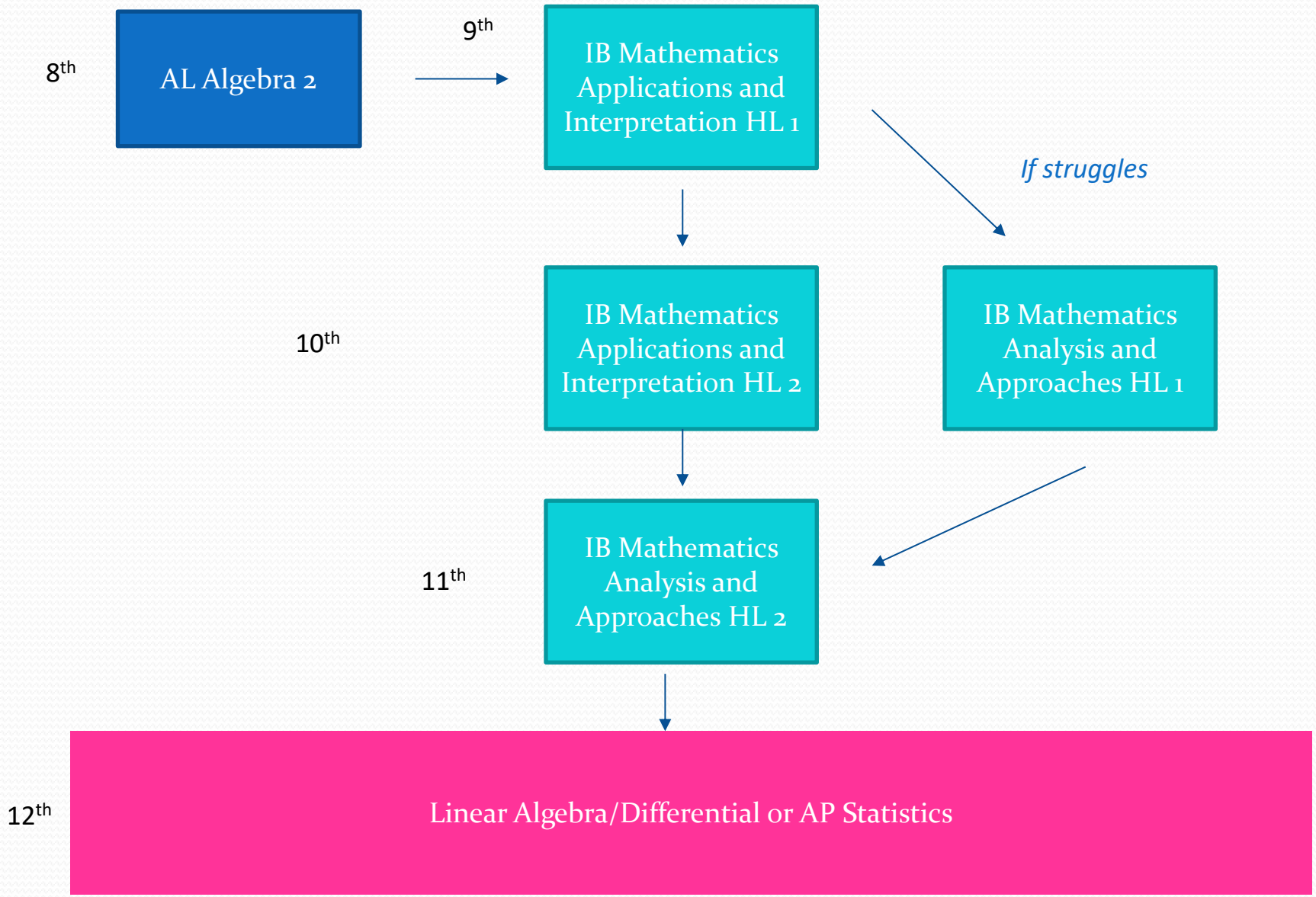
AL students on track



This chart represents a typical path. Some students complete Algebra 2 or higher in grade 8.

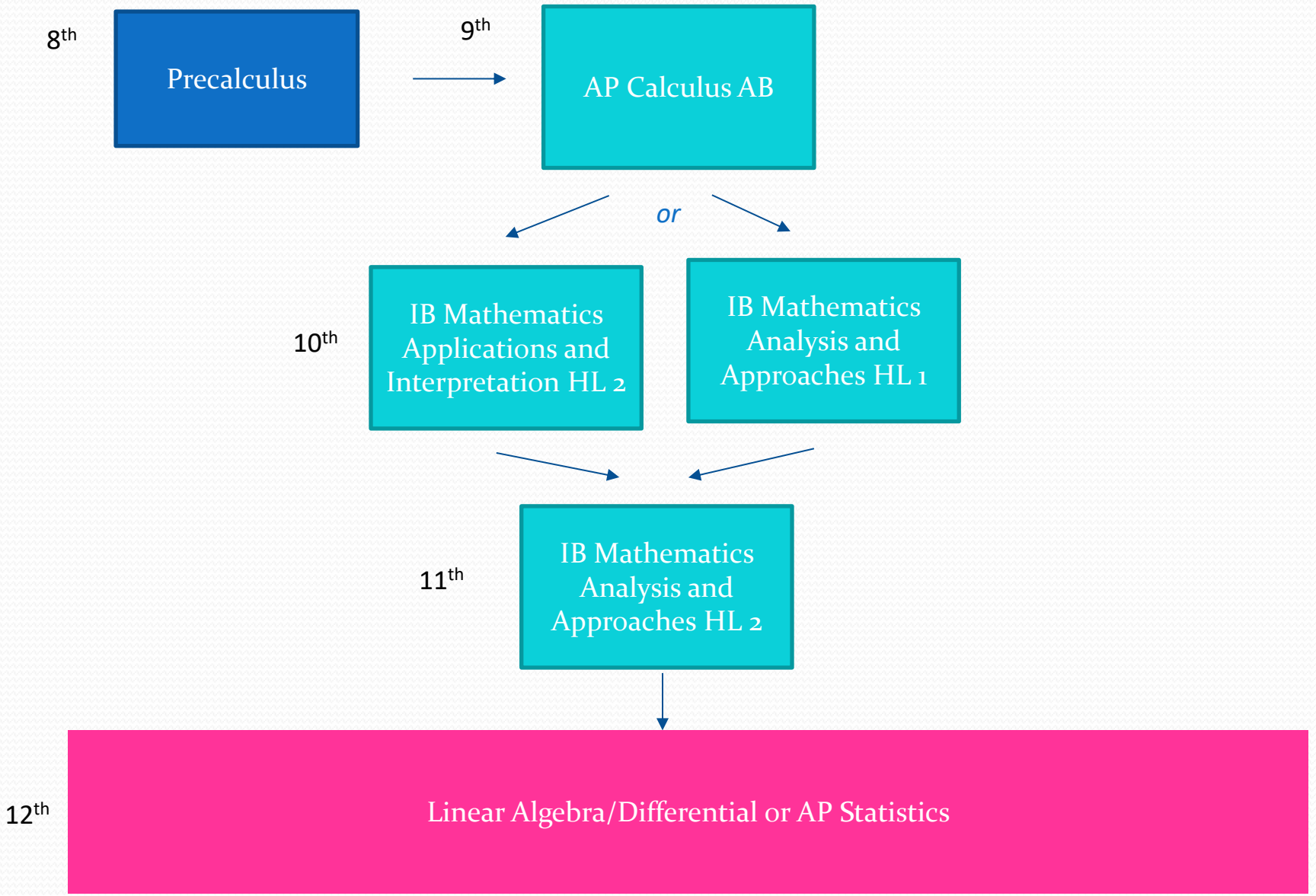
Group 5 Math

AL students
1 year ahead

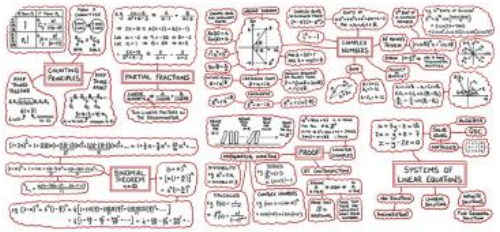
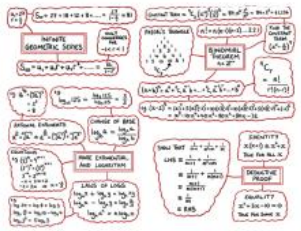
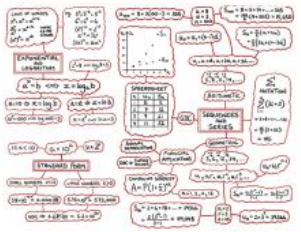
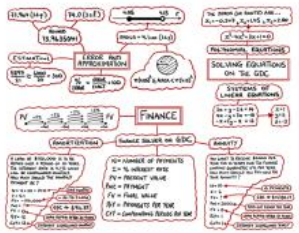
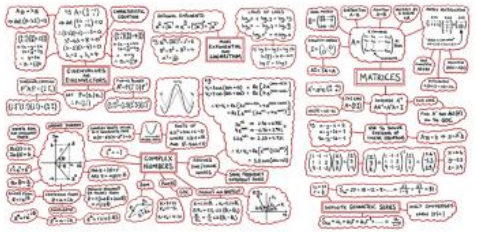
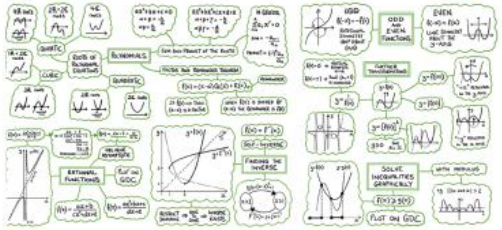
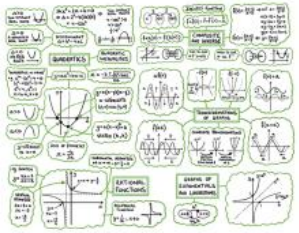
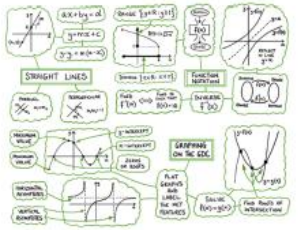
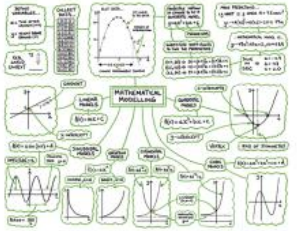
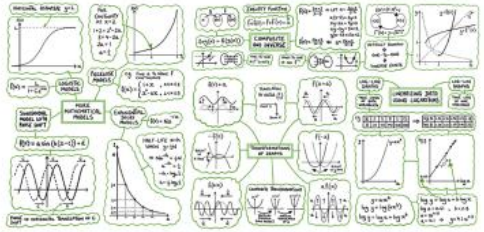
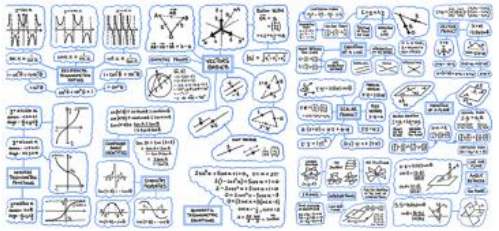
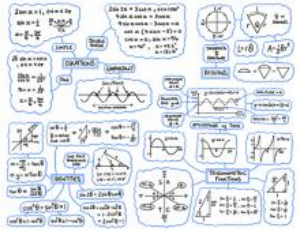
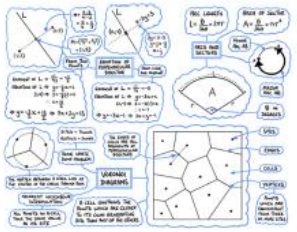
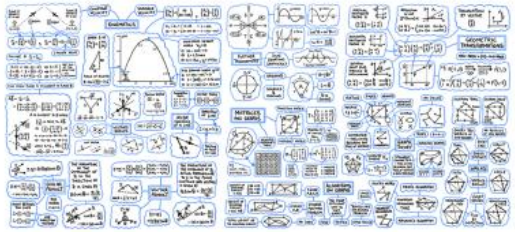
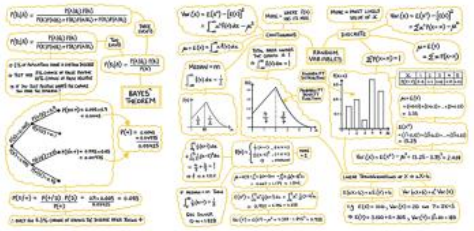
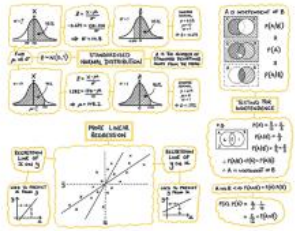
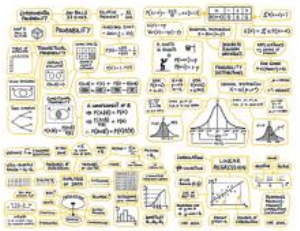
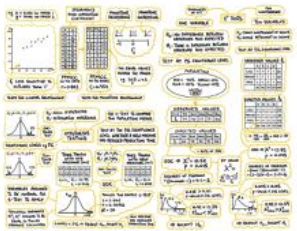
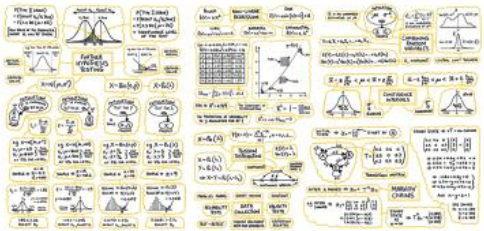
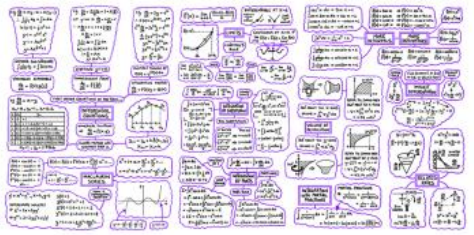
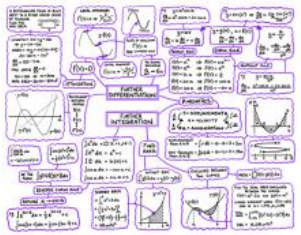
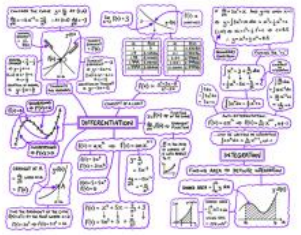
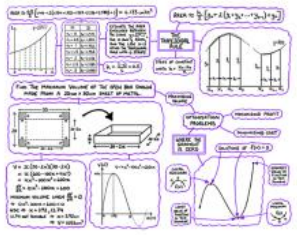
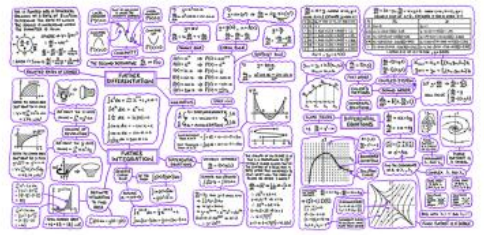


Group 5 Math

AL students
2 years ahead



IB Math

	Analysis and approaches AHL	Analysis and approaches SL	Common content	Applications and interpretation SL	Applications and interpretation AHL
Number and algebra					
Functions					
Geometry and trigonometry					
Statistics and probability					
Calculus					

Group 6 Arts

Several choices for IB Arts in the 10th and 11th grades

IB Music HL 1	IB Film SL	IB Visual Art SL /AP Art Portfolio 1
↓	↓	↓
IB Music HL 2 (most students assess SL)	IB Film HL	IB Visual Art HL /AP Art Portfolio 2

Students may also complete the IB Group 6 requirements by choosing a second subject from another IB group instead of an IB Art. Typical choices include a second science or an "elective" from Group 3.
Students must still fulfill Washington State graduation requirements for art.

IB Psychology SL	IB Business and Management SL
Science class from Group 4	↓
	IB Business and Management HL

Grade 10 and 11 academics

Group	10th Grade **Diploma Program (1st Year)**	11th Grade **Diploma Program (2nd Year)**
1	AL IB English Literature HL 1 AL IB English Lang and Lit HL 1	AL IB English Literature HL 2 AL IB English Lang and Lit HL 2
2	IB World Language Mandarin, Spanish or French	IB World Language Mandarin, Spanish or French
3	AL IB History HL 1/AP US History	AL IB History HL 2/AP Government
4	AL IB Physics SL 1/AP Physics 1	IB Physics SL 2 IB Biology SL IB Physics HL IB Biology HL/AP Biology IB Chemistry SL 2/AP Chemistry IB ESS/AP Environmental IB Design Technology SL
5	IB Mathematics SL 1 IB Math Applications and Interpretation HL 1 IB Math Analysis and Approaches HL 1 IB Math Applications and Interpretation HL 2	IB Math Applications and Interpretation SL 2 IB Math Applications and Interpretation HL 2 IB Math Analysis and Approaches SL 2 IB Math Analysis and Approaches HL 2
6	IB Arts or 2nd subject from other IB group	IB Arts or 2nd subject from other IB group
7	Health or elective/ToK	ToK/elective

IB Core

Theory of Knowledge

Extended Essay

Creativity, Activity, and Service

three central opportunities to bring together the knowledge and skills obtained from the six subject areas

vital to the holistic experience of the IB Diploma Programme

Diploma Assessment

Assessments scored on a 1-7 scale

Minimum to earn diploma is 24 points*

6 subject at 4 points each = 24 points

*with no failing conditions

Maximum is 45 points

6 subjects at 7 points each = 42 points

Bonus points (up to 3) earned for Extended Essay and ToK

Assessment in Disciplines

*IB assessments are either **Internal** (first marked by teachers and then sampled by IBO for validity) or **External** (all sent to IB examiners).*

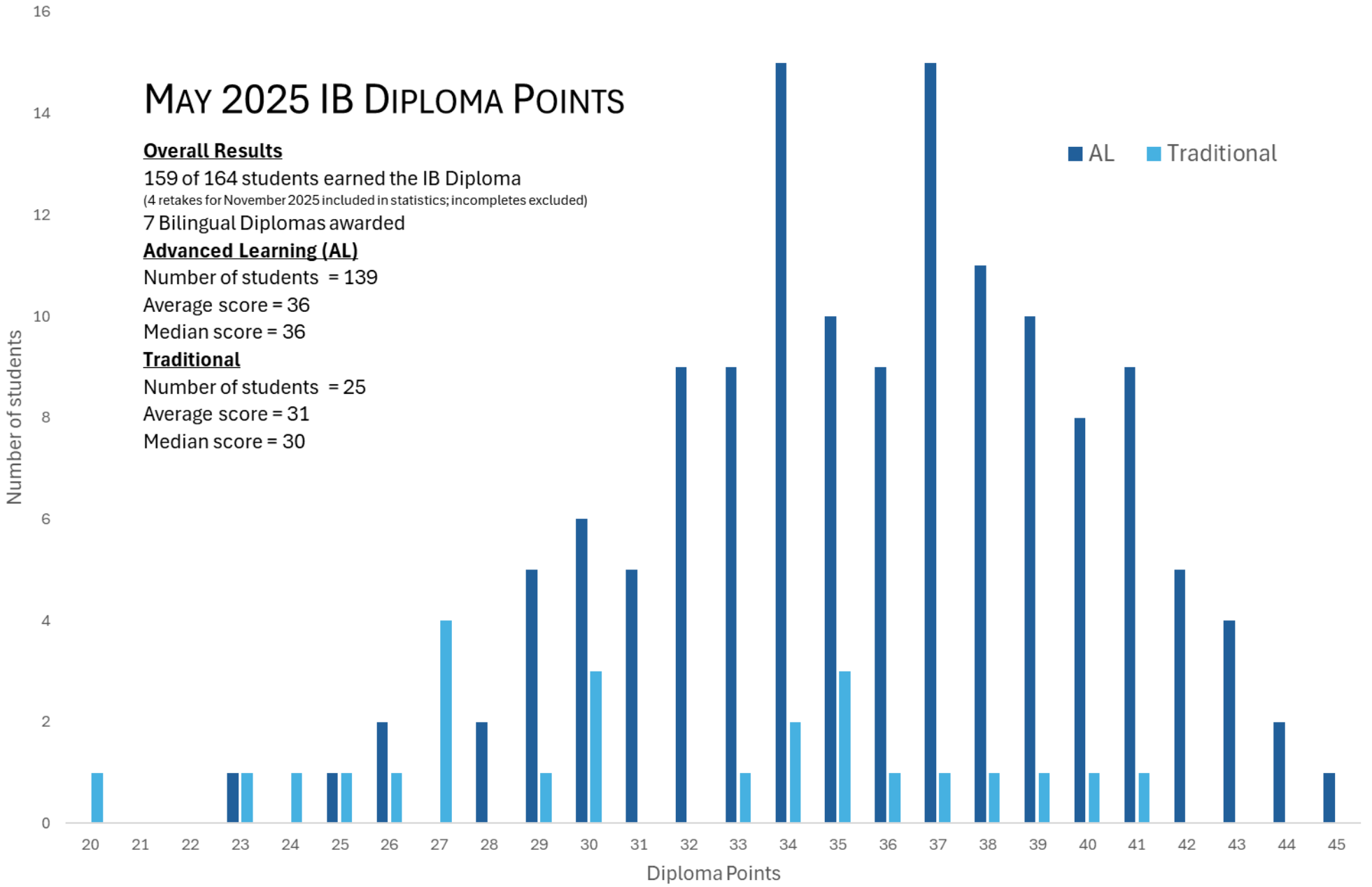
Italicized assessments are non-exam assessments, completed over time.

English Language and Literature & English Literature HL	p1: guided textual analysis (35%) p2: comparative essay (25%) *HL essay (20%); individual oral (20%)*
Language B HL (second languages)	p1: writing task (25%) p2a: listening (25%): p2b: reading (25%) *individual oral (25%)*
History HL	p1: source-based questions (20%) p2: essays on world topics (25%) p3: essays on Americas (35%) *historical investigation (20%)*
Sciences HL	p1: multiple choice and data-based (36%) p2: Short-response questions (44%) *scientific investigation (20%)*
Mathematics: Analysis and Approaches HL	p1: short and extend response – no tech (30%) p2: short and extend response – tech OK (30%) p3: extended response – tech OK (20%) *exploration (20%)*
Music HL	*exploring music portfolio (20%)* *experiment with music (20%)* *presenting music recordings (30%)* *contemporary music project (30%)*

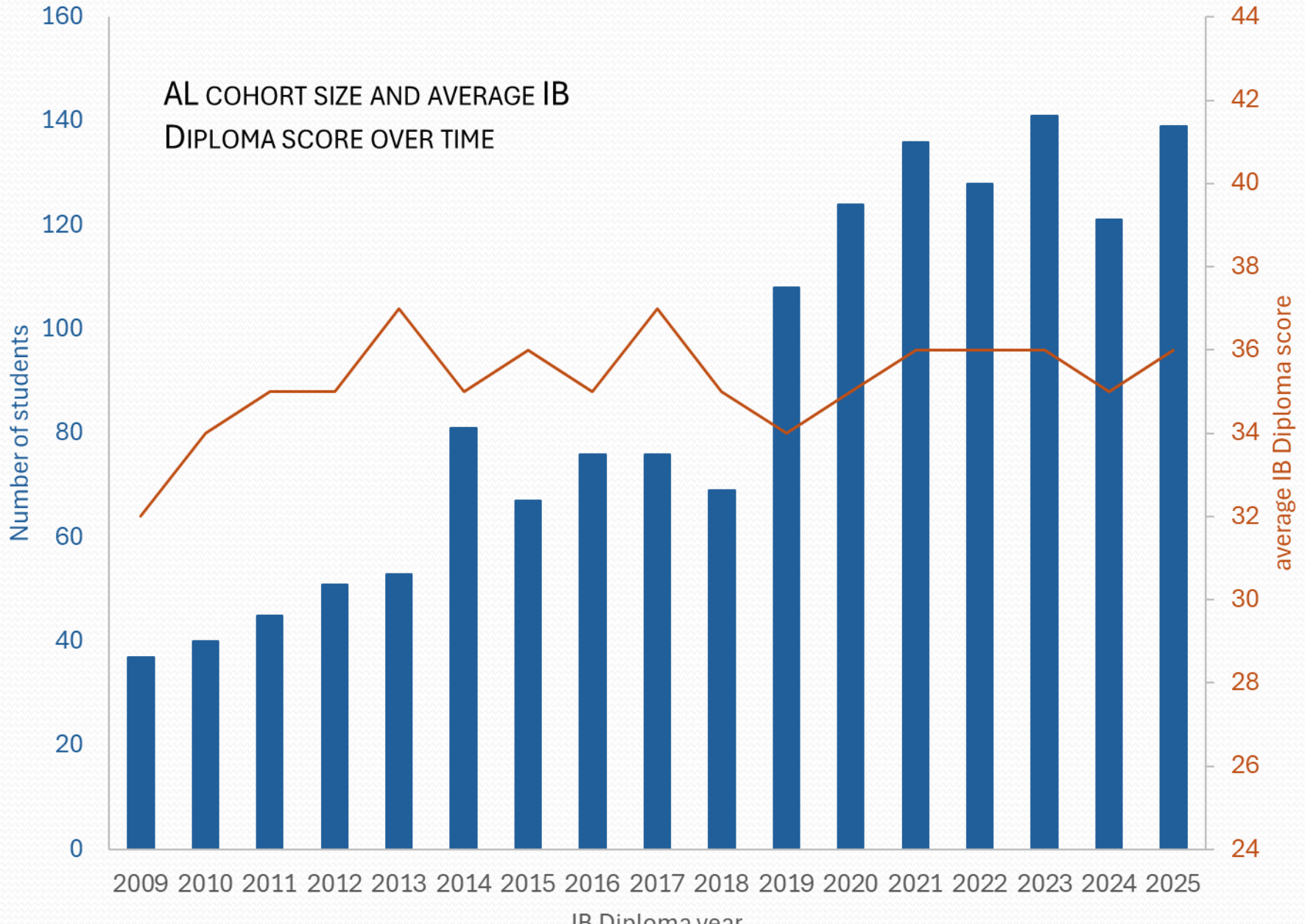
Results

The passing score is 24 (with no failing conditions).

The world-wide average has been steady 29-30 points over the last several years.



IB results over time



Why do IB (and/or AP?)

"Curriculum-based achievement tests are the fairest and most effective assessments for college admissions and have important incentive or signaling effects for our K–12 schools as well: They help reinforce a rigorous academic curriculum and create better alignment of teaching, learning and assessment all along the pathway from high school to college." (4)

Richard C. Atkinson, president emeritus, University of California, and Saul Geiser, University of California, Berkeley, Center for Studies in Higher Education, Reflections on a Century of College Admissions Tests, April 2009

Why we are an IB school…

"A student who goes for the IB diploma, which requires the equivalent of six two-year courses, must also write a 4,000 word extended essay, often a research paper on some topic. Most of the former IB students I know say the extended essay was the most satisfying and challenging thing they did in high school, and prepared them well for college research. Let me put this next sentence also in all capitals: IN THE UNITED STATES, ONLY THE IB PROGRAM AND PRIVATE SCHOOLS CONSISTENTLY REQUIRE HIGH SCHOOL STUDENT TO WRITE MAJOR RESEARCH PAPERS.

The failure to emphasize writing in that way is a scandal. But it is true."

Jay Matthews, education columnist for the Washington Post and creator of the Challenge Index; excerpt from Davidson Institute for Talent Development "Tips for Parents: AP vs IB – Which is best for my kid?" 2011 (7)

Course Design

AP

"AP exams assess knowledge and skills learned in the Course. AP courses are designed to cover content and skills to replace college classes." (1)

A large AP Redesign was recently completed, but no regular design cycle is published. There are small changes to course expectations each year.

IB

The IB Diploma aims to "equip students with the depth of discipline-specific knowledge and skills that they will need for their chosen academic and career paths. However, this must be balanced with the breadth needed to develop well-rounded students who can draw connections between the different disciplines." (3)

IB courses are on a fixed design cycle of 7 years.

Assessment

AP

Scored on a 1-5 scale.

Final score is based on single-day exam in May (except Art).

Exams are in 2 parts; multiple choice and short answer.

All parts of the exams are compulsory.

IB

Scored on a 1-7 scale.

Final score is based on multiple assessments over 1-2 years, including May exams.

Only science exams have multiple choice.

Exam parts are split over multiple days.

Almost every exam has choice of what questions to answer.

AP exams (5)

English Language & English Literature	45-55 multiple choice (45%) 3 free response (55%)
Second-language Language and Culture	65 multiple choice (75%) 2 free response (25%)
US History	55 multiple choice (40%) 3 short answer (20%) 2 document- based (25%) 1 long essay (15%)
Physics 1 and 2	40 multiple choice (50%) 4 free response (50%)
Biology & Chemistry	60 multiple choice (50%) 6-7 free response (50%)
Calculus AB	45 multiple choice (50%) 6 free response (50%)
Music Theory	75 multiple choice (57%) 7 free response (45%)
Art and Design (portfolio)	*sustained investigation (60%)* *selected works (40%)*

Italicized items are non-exam assessments.

IB assessments [HL] (6)

English Language and Literature & English Literature	p1: guided textual analysis (35%) p2: comparative essay (25%) *HL essay (20%); individual oral (20%)*
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Music	*exploring music portfolio (20%)* *experiment with music (20%)* *presenting music recordings (30%)* *contemporary music project (30%)*
Visual Art	*comparative study (20%)* *process portfolio (40%)* *exhibition (40%)*

College Credit

AP

AP courses were developed with college credit in mind.

"Most four-year colleges and universities in the United States—as well as many institutions in more than 100 other countries—grant students credit, placement, or both for qualifying AP Exam scores." (1)

Credit policies across colleges are fairly similar.

IB

IB courses were not developed with college credit in mind.

IB focuses on "recognition" in admissions and not necessarily college credit.

Colleges award general IB credit and credit to replace specific classes.

Credit policies across colleges are very different.

AP exams

AP course	Scores	Credit
English Language & English Literature	3,4,5	5 credits English 106 10 credits English 106 for both
Spanish Language and Culture	3 4 5	5 credits Spanish 201 10 credits Spanish 201/202 15 credits Spanish 201/202/203
US History	3 4,5	5 credits History 100 5 credits History 101
Physics 1	3 4,5	5 credits Physics 101 5 credits Physics 115/118 (lab)
Biology	3 4,5	5 credits Biology 161 10 Credits Biology 161 and 162
Calculus AB	3,4,5	5 credits Math 124
Music Theory	3 4 5	2 credits Music 116 2 credits Music 117 4 credits Music 113/119
Art and Design (portfolio)	3,4,5	5 credits art 104

IB assessments

IB course	Scores	Credit
English	4-7 HL&SL	5 credits English 107
Spanish B	4,5 SL 4 HL; 6,7 SL 5 HL 6,7 HL	5 credits Spanish 103 5 credits Spanish 201 10 credits Spanish 201/202 15 credits Spanish 201/202/203
History	4 HL, 4-7 SL 5,6,7 HL	5 credits History 108 5 credits History 101
Physics	4,5 HL; 6,7 SL 6,7 HL	10 credits Physics 101,102 15 credits Physics 114/115/116
Biology	4 HL, 4-6 SL 5-7 HL, 7 SL	5 credits Biology 161 10 credits Biology 161
Mathematics: Analysis and Approaches	4,5 SL 4,5 HL; 6,7 SL 6,7 HL	5 credits Math 108 5 credits Math 120 5 credits Math 124
Music	4-7 HL&SL	2 credits Music 121
Visual Art	4-7 HL&SL	5 credits Art 105

University of Washington credit policies (8)

Be careful with credit!

BIOL 161 Advanced Placement (AP) in General Biology 1 (5-) NSc
Course awarded based on Advanced Placement (AP) score. Consult the Admissions Exams for Credit website for more information. Credit/no-credit only.
View course details in MyPlan: BIOL 161

BIOL 162 Advanced Placement (AP) in General Biology 2 (-5) NSc
Course awarded based on Advanced Placement (AP) score. Consult the Admissions Exams for Credit website for more information. Credit/no-credit only.
View course details in MyPlan: BIOL 162

BIOL 180 Introductory Biology (5) NSc
Mendelian genetics, evolution, biodiversity of life forms, ecology, and conservation biology. Open to all students interested in biology whether intending to major in the biological sciences, enroll in preprofessional programs, or fulfill a Natural World requirement. First course in a three-quarter series (BIOL 180, BIOL 200, BIOL 220). Maximum 15 credits allowed between BIOL 180; BIOL 200; BIOL 220 (or equivalents); and BIOL 240. Course equivalent to: B BIO 180. Course overlaps with: T BIOL 120. Offered: AWSpS.
View course details in MyPlan: BIOL 180

UW departments set their credit policies. The credit may not be useful; it depends on your academic path.

Be careful with credit!

ENGL 106 Advanced Placement (AP) English Preparation for University Study in English (5, max. 10)
Course awarded based on Advanced Placement (AP) score. Consult the Admissions Exams for Credit website for more information.
View course details in MyPlan: ENGL 106

ENGL 107 International Baccalaureate (IB) English Preparation for University Study in English (5)
Course awarded based on International Baccalaureate (IB) score. Consult the Admissions Exams for Credit website for more information.
View course details in MyPlan: ENGL 107

English Composition (C)
Writing (W)
Reasoning (RSN) - Formerly Quantitative and Symbolic Reasoning (QSR)
Foreign Language
Diversity (DIV)

UW has general education requirements and neither the AP or IB credited courses meet one of these requirements!

Name	Score for Credit	UW Course	Credit Award	Meets UW Requirement
English Language & Composition	3,4,5	ENGL 106	5	
English Literature & Composition	3,4,5	ENGL 106	5	

ENGL 109 Critical Composition I: Inquiry (5-) DIV
Approaches writing as social action and language as tied traditions. Builds rhetorical capacities for composing eth university and beyond. Emphasizes inquiry. English com
View course details in MyPlan: ENGL 109

ENGL 110 Critical Composition II: Research (-5) C
Approaches writing as social action and language as tied traditions. Builds rhetorical capacities for composing eth university and beyond. Emphasizes research. English cor
Offered: AWSp.
View course details in MyPlan: ENGL 110

Why are you looking for credit?

The number one answer to this question is to reduce the cost of university.

University Tuition Scholarship	$11,000	$11,000	$22,000
Grant	$11,715	$11,715	$23,430
Gift Aid	**$22,715**	**$22,715**	**$45,430**

This student has a total estimated cost of university as $77,110. They have no demonstrated financial need but receive $45,430 in academic scholarships and grants.

The student did not earn credits for AP exams. The student did not receive credits for any IB assessments. The student did earn the IB Diploma at Interlake at the end of 12th grade.

The student graduated with a 3.5 GPA had 1 major extra curricular (year-round club soccer and HS soccer), and only 1 major volunteer activity (lining soccer fields for youth players).

Why are you looking for credit?

Offer for a class of 2025 AL student

Congratulations!

You have been admitted via Early Action to the Biology program in Saint Louis University's College of Arts & Sciences for the Fall 2025 semester. We are thrilled to formally welcome you into the Billiken community.

In addition, due to your outstanding academic record, you have been awarded the following scholarship:

Award	**Annual Amount**
Ignatian Scholarship	36,000

Please review the terms and conditions of your award.

Your personalized SLU application portal will provide you with detailed information about your next steps and confirming your enrollment. Please note that your official offer of admission is contingent upon receipt of your official final transcript(s), reflecting successful completion of all graduation requirements.

Saint Louis University will help prepare you to be intellectually flexible, creative and a reflective critical thinker in the spirit of the Catholic, Jesuit tradition. At SLU, you can believe bigger and use what you learn in and out of the classroom to develop your talents for the greater good of others. We can't wait for you to become

How many AP and/or IBs should a student take?

"Many parents were interested in how many AP or IB courses and exams their children should take. The answer, based on conversations with many admissions offices of the most selective colleges, is three to five. Three is fine, particularly if the scores are good. Five is also good, but not much more so. If you take 6, 7, 8 courses and exams and on up in anticipation of the colleges giving more respect to those applicants who take the most AP or IB exams, you will be wrong. It is fine to take that many if the student enjoys them and thinks her time is better spent with them than other available courses but it will do nothing to improve her chances of getting into Harvard. She will be put in the same maybe pile with students who have taken just three APs, and the decision will be made on other factors---GPA and test scores relative to others in her high school's senior class, recommendations and activities."

Jay Matthews, education columnist for the Washington Post and creator of the Challenge Index; excerpt from Davidson Institute for Talent Development "Tips for Parents: AP vs IB – Which is best for my kid?" 2011 (7)

How much AP or IB is appropriate?

When you (Harvard) are reviewing applications, does the student who does a full IB program disadvantage him/herself by not additionally taking AP exams presuming the scores are comparable?

"Goodness, no, students who take the full IB diploma program without taking additional AP exams are in no way disadvantaged in the Harvard College admissions process. Our process considers IB and AP as equally challenging programs and we do not favor one over the other when evaluating an application.

We're not sure why students would take both sets of exams…"

Harvard College Admissions

Grade 10 and 11 academics

Group	10th Grade Diploma Program (1st Year)	11th Grade Diploma Program (2nd Year)
1	AL IB English Literature HL 1 AL IB English Lang and Lit HL 1	AL IB English Literature HL 2 AL IB English Lang and Lit HL 2
2	IB World Language Mandarin, Spanish or French	IB World Language Mandarin, Spanish or French
3	AL IB History HL 1/AP US History	AL IB History HL 2/AP Government
4	AL IB Physics SL 1/AP Physics 1	IB Physics SL 2 IB Physics HL IB Biology SL IB Biology HL/AP Biology IB Chemistry SL 2/AP Chemistry IB ESS/AP Environmental IB Design Technology SL
5	IB Mathematics SL 1 IB Math Applications and Interpretation HL 1 IB Math Analysis and Approaches HL 1 IB Math Applications and Interpretation HL 2	IB Math Applications and Interpretation SL 2 IB Math Applications and Interpretation HL 2 IB Math Analysis and Approaches SL 2 IB Math Analysis and Approaches HL 2
6	IB Arts or 2nd subject from other IB group	IB Arts or 2nd subject from other IB group
7	Health or elective/ToK	ToK/elective

AP Lang

AP USH

AP Physics

Grade 12
academics

Group	12th grade
1	Fall: Creative Writing Spring: Film as Text
2	Elective (possible World Language), or Open 5th for travel
3	Government and Economics (AP Gov, AP Macro)
4	IB Chemistry SL 2/AP Chemistry IB Design Technology and Engineering Science IB Biology SL, or IB Biology HL/AP Biology IB Physics SL 2 or HL IB ESS/AP Environmental Science
5	Linear Algebra / Differential Equations AP Statistics AP Calculus AB or BC
6 and 7	Internship, WANIC, or electives

even more APs!

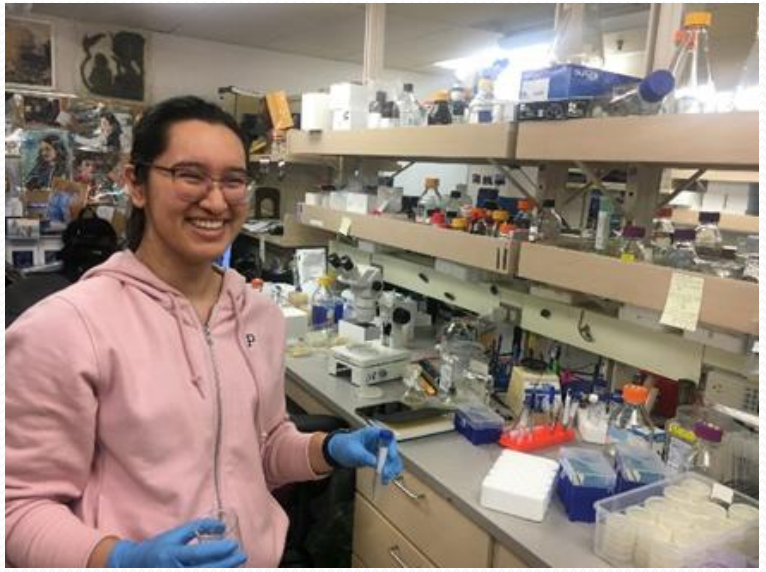
Internships

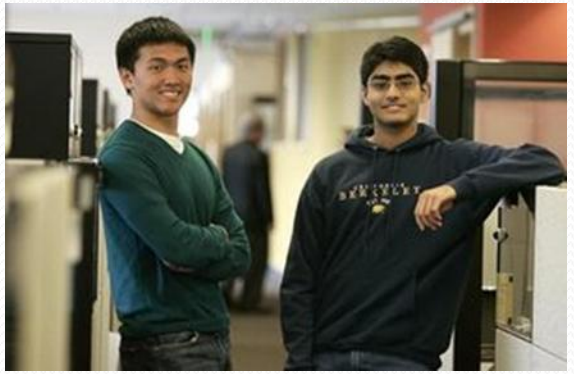
allow students to apply knowledge and skills from high school (IB!) to a real-world setting

teach students how to make professional relationships in a real-world setting

provide exposure to potential career paths and realistic understanding of what to expect from a future career

help students practice self-advocacy and gain self-confidence about new experience





Open to every 12th grade student!

Although the internship class was started for the Advanced Learning students and has many of those students, Internship class is open to any 12th grade student. All a student need to do is find room in their schedule!

Internship sites

Aerowood Animal Hospital

AG Consulting Partners

Bellevue Botanical Garden

Bellevue City Hall

Eastside Legal Assistance Program

EOSPACE Inc.

Evergreent Health Medical Center

Fred Hutch CRC

Impact Hub Seattle

Institute for Systems Biology

LifeWire

Lockheed Martin

Loopy HQ

NOAA Western Regional Center

Petrenko Law Firm

RB Content Lab

Seattle Opera

Strategic Robot Systems

Studio 19 Architects

The Little School

UW Autonomous Flight Lab

UW Genomics

UW Marine Sciences

UW Mechanical Engineering

UW Medicine - Vision Science Center

UW Medicine SLU, Institute for Stem Cell/Regenrative

UW Medicine Vision Science Center

UW Molecular Engineering and Sciences Institute

UW Neural Systems

UW Pathology

UW Philosophy

UW SLU Seattle Lung Project

Visual Vocal

Matriculation 2022-2025

Amherst College (2)
Arcadia University (1)
Arizona State University (1)
Babson College (1)
Barnard College (2)
Bates College (1)
Bellevue College (7)
Brown University (8)
California Institute of Technology (8)
California Polytechnic State University (2)
California State Northridge (1)
Carleton College (1)
Carnegie Mellon University (9)
Chapman University (2)
Claremont McKenna College (1)
Colby College (2)
Colgate University (1)
Colorado School of Mines (2)
Columbia University (1)
Cornell University (7)
Dartmouth College (5)
Davidson College (1)
Dickinson College (1)
DigiPen Institute of Technology (1)
Duke Kunshan University (1)
Duke University (3)
Embry-Riddle Aeronautical University (2)
Emerson College (1)
Emory University (6)
George Washington University (6)
Georgetown University (2)
Georgia Institute of Technology (6)
Gonzaga University (2)
Harvard University (2)
Harvey Mudd College (2)
Johns Hopkins University (5)
Loughborough University (1)
Massachusetts Institute of Technology (6)
Michigan State University (1)
New York University (7)
Northeastern University (4)
Northwestern University (2)
Oberlin Conservatory of Music (2)
Olin College of Engineering (1)
Oregon State University (2)
Pennsylvania State University (2)
Pomona College (3)
Purdue University (12)
Reed College (1)
Rensselaer Polytechnic Institute (1)
Rhode Island School of Design (1)
Rice University (2)
Rutgers University (2)
Santa Clara University (2)
Seattle Pacific University (1)
Seattle University (2)
Seton Hall University (1)
Stanford University (7)
Stevens Institute of Technology (1)
Tufts University (2)
United States Air Force Academy (2)
United States Naval Academy (1)
University of Alabama (1)
University of British Columbia (4)
University of California-Berkeley (12)
University of California-Davis (6)
University of California-Irvine (6)
University of California-Los Angeles (11)
University of California-San Diego (3)
University of California-Santa Barbara (3)
University of California-Santa Cruz (4)
University of Chicago (1)
University of Connecticut (1)
University of Florida (1)
University of Georgia (1)
University of Illinois-Urbana-Champaign (9)
University of Manitoba (1)
University of Maryland (6)
University of Massachusetts (3)
University of Michigan (8)
University of Minnesota (1)
University of North Dakota (1)
University of Oregon (2)
University of Oxford (3)
University of Pennsylvania (8)
University of South Florida (1)
University of Southern California (6)
University of Sydney (1)
University of Texas-Austin (2)
University of the Arts London (1)
University of Toronto (3)
University of Washington (212)
University of Wisconsin (4)
Vanderbilt University (1)
Virginia Commonwealth University (1)
Washington University St Louis (3)
Wellesley College (2)
Western Washington University (2)
William & Mary (2)
Williams College (1)
Yale University (7)

(data from final transcript request in Naviance)

Upcoming registration events, dates TBD

end of February or early March	Registration presentation Odle and Tyee (students only)
mid-March	Registration Packets picked up at Odle and Tyee; 1 on 1 counseling

email Michael O'Byrne at *obyrnem@bsd405.org*