

Piedmont High School

Piedmont Unified School District
High School Integrated Math Pathways



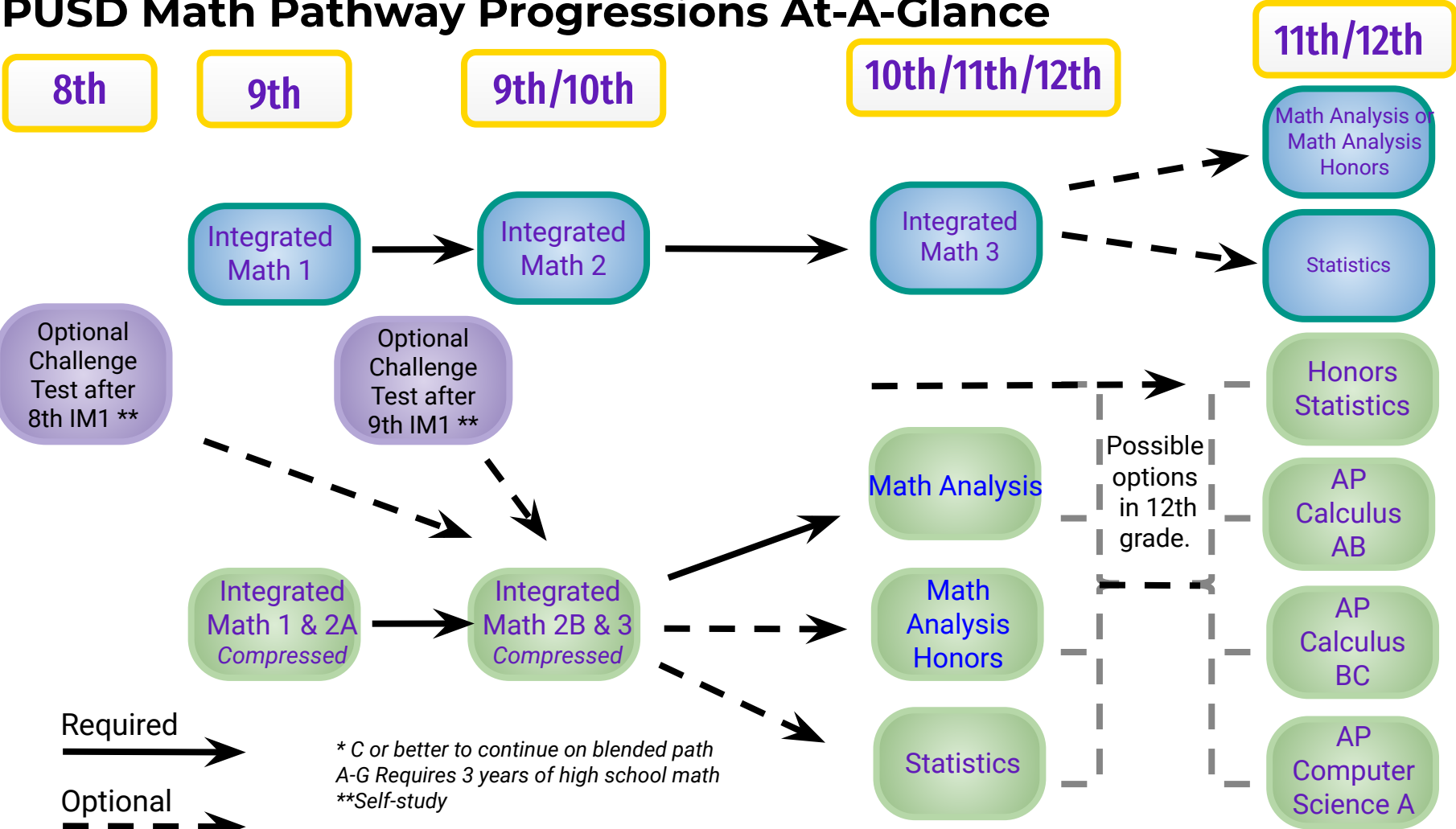
2023-24

PUSD Board-Approved Math Pathways include:

1. An **expanded pathway** that meets graduation and UC eligibility requirements (not offered during the 2023-24 school year)
2. A **grade-level pathway** that meets graduation and UC eligibility requirements.
3. Multiple opportunities for students to enter into a **compressed pathway** beginning in middle school.
4. An **acceleration option** for students who have completed Integrated Math 1 to self-study the first semester of Integrated Math 2, take a challenge exam, and enroll in IM2B/3 the following fall semester.



PUSD Math Pathway Progressions At-A-Glance

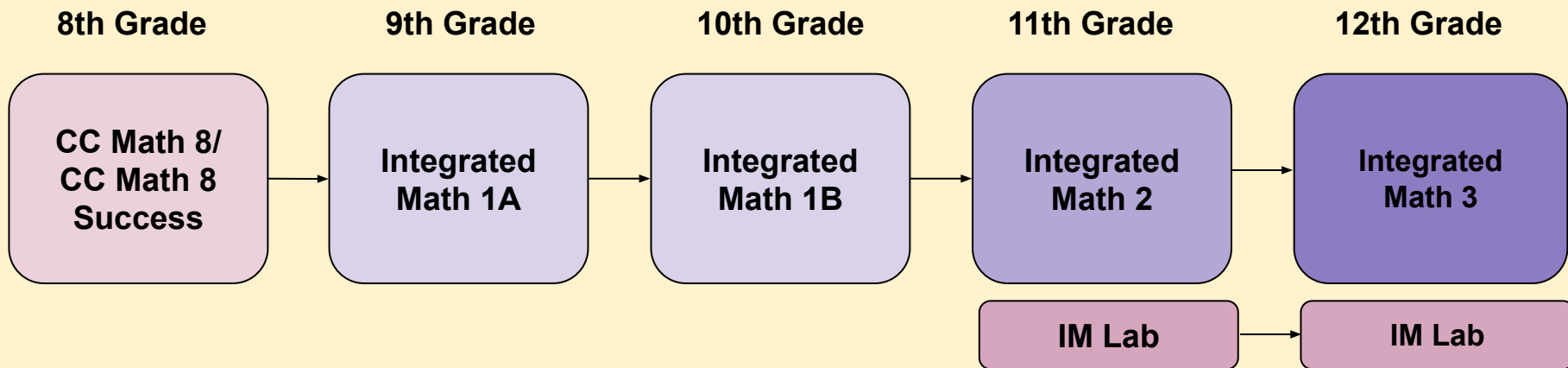


Expanded Pathway



PHS Integrated Math Pathways

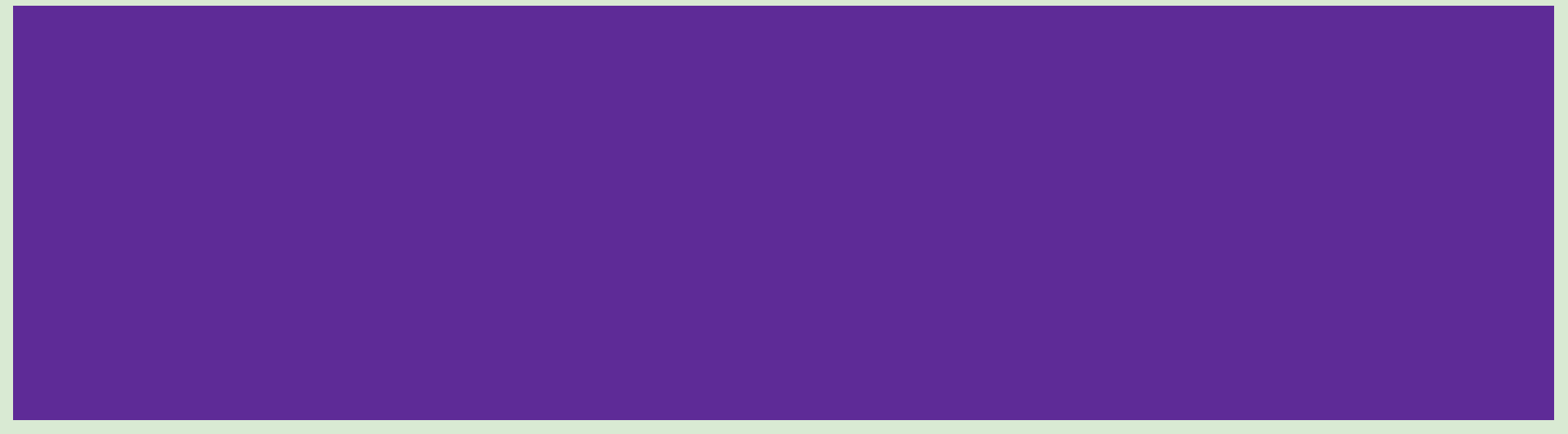
Expanded Pathway (not offered in 2023-24)



This is an expanded pathway through which students can meet the **District's math graduation requirements as well as the Mathematics "c" subject requirement for UC eligibility**. This pathway is designed for students who need more time to internalize math content.

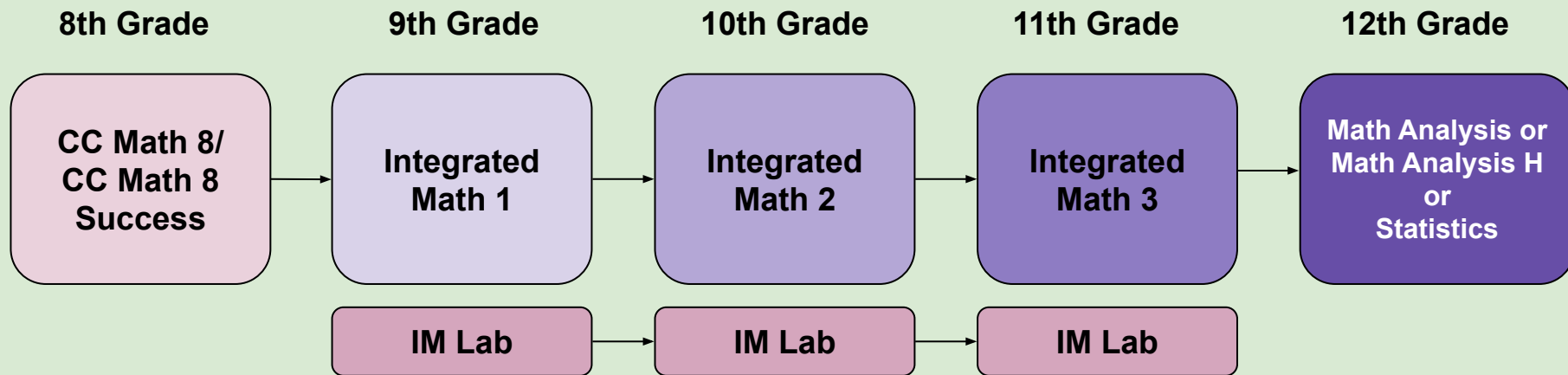


Grade Level Pathway

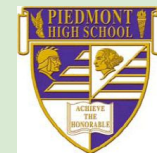


PHS Integrated Math Pathways

Grade-Level Pathway



This is a non-compressed and non-accelerated pathway through which students can meet the **District's math graduation requirements as well as the Mathematics "c" subject requirement for UC eligibility.**

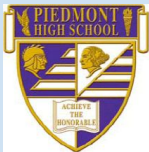


Compressed Pathways

PHS Integrated Math Pathways

Compressed Pathways

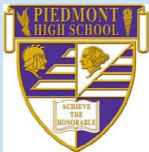
- Compression is a way to advance through the math curriculum at a faster pace. Students will be able to access more advanced classes.
- There is significantly more content covered in class as well as more homework and more frequent assessments.
- Student should have an ability to focus for longer periods of time during class.
- Students should have a willingness to work independently and self-advocate.
- Recommended for students who have a strong interest in learning math.



PHS Integrated Math Pathways

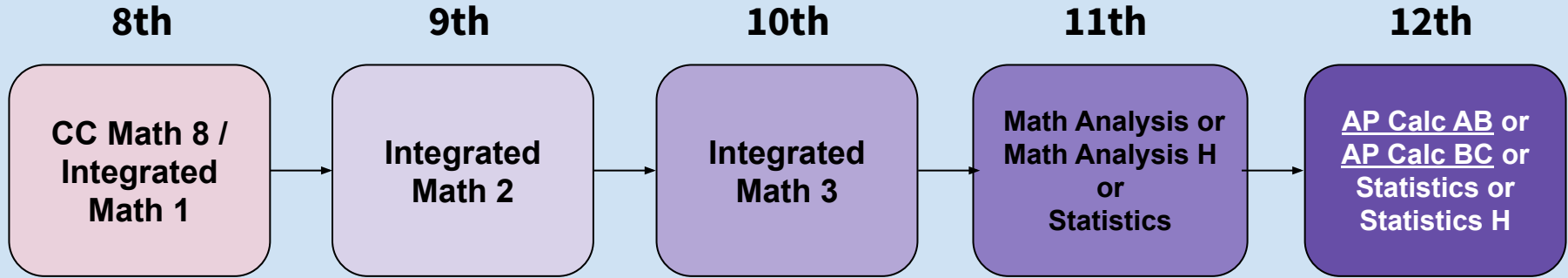
Compressed Pathways

- There are three entry points where a student may pursue the compressed pathway.
 - During middle school
 - In 10th grade after completing IM 1/2A in 9th grade
 - In 10th grade after completing IM 1 in 9th grade **AND** passing the IM2A Challenge Exam with a 90% or higher



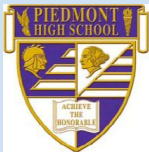
PHS Integrated Math Pathways

Middle School Compressed Pathway



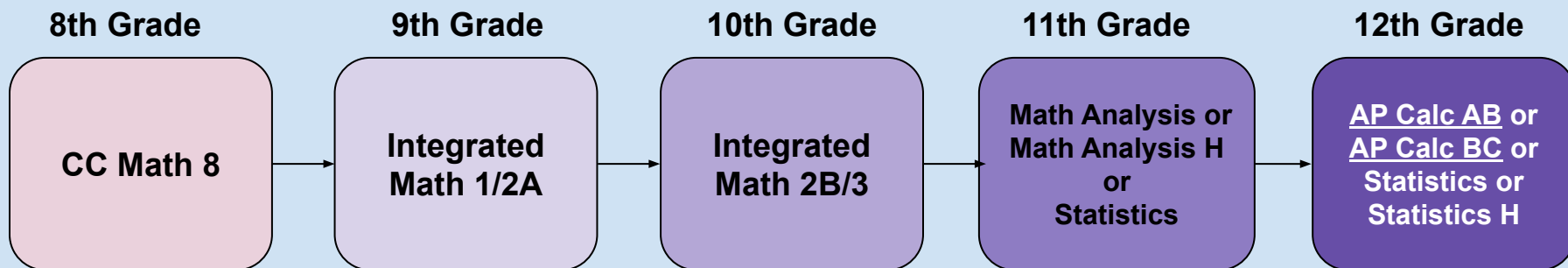
This pathway is for students who began compression during middle school.

Please note, per our Board-approved pathways, students can take either AP Calculus AB or AP Calculus BC during high school. **They cannot take both.**



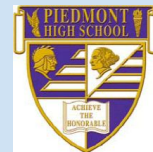
PHS Integrated Math Pathways

High School Compressed Pathway



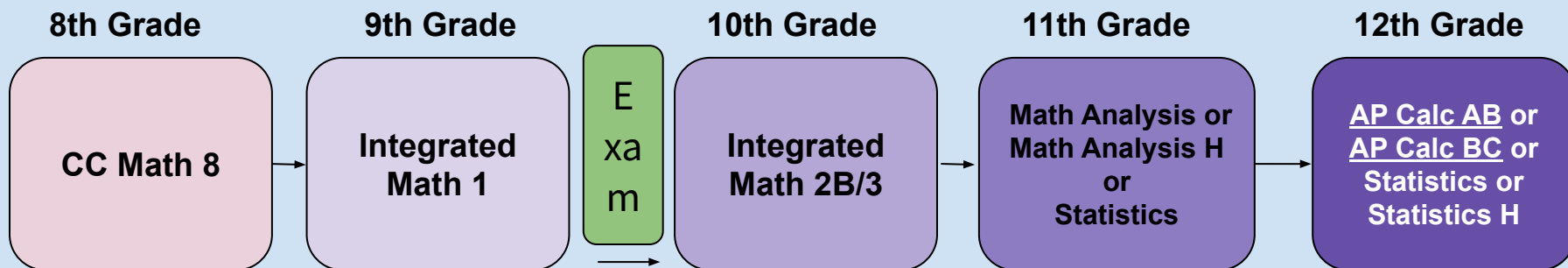
This pathway is for students who did **not** begin compression during middle school and would like to begin compression during high school. Students can request IM1/2A after consulting with their MS counselor and MS math teacher.

Please note, per our Board-approved pathways, students can take either AP Calculus AB or AP Calculus BC during high school. **They cannot take both.**



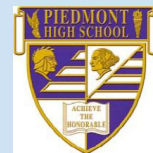
PHS Integrated Math Pathways

High School Compressed Pathway via IM 2A Challenge Exam



This pathway is for students who did **not** begin compression during middle school. Students complete IM1 as a 9th grader and successfully pass the IM 2A Challenge Exam with a score of 90% or higher before 10th grade. This is a self study option.

Please note, per our Board-approved pathways, students can take either AP Calculus AB or AP Calculus BC during high school. **They cannot take both.**

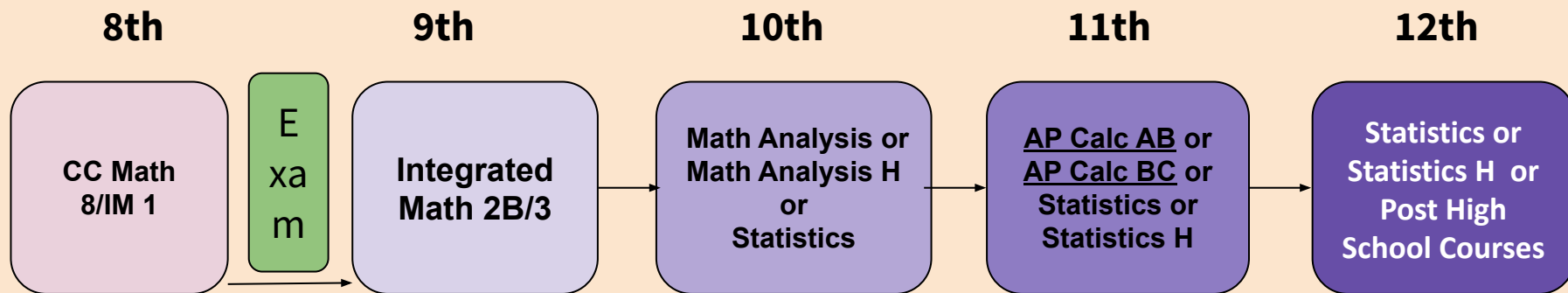


Acceleration Pathway



PHS Integrated Math Pathways

Acceleration Self-Study Option



Students must earn a score of 90% or higher on the IM 2A Challenge Exam to be able to enroll in IM 2B/3 the following school year. This is a self-study option.

Please note, per our Board-approved pathways, students can take either AP Calculus AB or AP Calculus BC during high school. **They cannot take both.**



IM 2A Challenge Exam Details

Challenge Exam

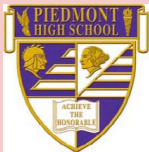
The test is in the format of a 2-hour final test, but we give our students 4 hours to complete it in order to allow students to show the best work they can.

Timeline:

- [Registration Form](#) (Submit by January)
- Online access of the textbook IM1 and IM2 (in February)
- Test in June
 - Challenge Exam Dates:
 - June 4th & 6th, 2023 10:00 AM - 2:00 PM

Topics covered on challenge exam:

- Attributes of polygons;
- Angle pair relationships;
- Triangle congruence and similarity;
- Introductory trigonometry;
- Factoring quadratics;
- Solving and graphing quadratic functions;
- Pythagorean theorem and its applications



Other Math Pathways:

- The information in the previous slides focused on Math pathways that have been approved by the PUSD Board of Education.
- If you and your student are interested in pursuing a different option, please reach out to the Assistant Principal and your counselor.



Contact Information

Counselors

Amanda Carlson - Last Names A-G
acarlson@piedmont.k12.ca.us

Chris Hartford - Last Names H-O
chartford@piedmont.k12.ca.us

Ashley English - Last Names P-Z
aenglish@piedmont.k12.ca.us

John Hayden,
Math Department Chair
jhayden@piedmont.k12.ca.us

Joseph Marik, Assistant Principal
jmarik@piedmont.k12.ca.us