



# SMA 2023-2024 Mathematics Forecasting Information



## MATH DEPARTMENT VISION STATEMENT

*The Mathematics Department facilitates the development of effective problem-solvers and flexible, critical thinkers. We work to construct a foundation of skills and understanding that will result in mathematically confident young women who have broader options for the future.*

## MATH DEPARTMENT FORECASTING PHILOSOPHY

When forecasting students for their future math classes, each math teacher forecasts their current students with three main considerations:

1. First and foremost, we consider which course will ***most appropriately challenge*** each individual student. This is a two-fold consideration that takes into account not only what will push the student to greater levels of learning, but what course will meet their needs and provide an environment where they can build confidence in their math skills.
2. The next consideration is which course ***matches an individual students' interests and goals***. We understand that our students have diverse goals for their futures, and we strive to offer all students the mathematical experiences needed to achieve those goals.
3. Finally, we always frame forecasting in the context of which math course will provide students with the ***best opportunity for success in college and beyond***.

It can be challenging to make a decision about a student's future success in a math class in March with only about 65% of coursework for the year complete. We strive to partner with students and families to make sound judgments that honor our forecasting criteria with the understanding that things could change by the start of the next school year.

## SUMMER MATHEMATICS OPTIONS

While St. Mary's Academy does not offer in-house summer math classes, we do honor summer courses that meet the rigor of a St. Mary's Academy math class. Summer courses may be taken at approved local high schools, community colleges, or online through an accredited program. Remedial and credit-recovery courses (including PPS summer courses) will not be approved. A student who participates in a summer course will not receive credit for their coursework on their St. Mary's transcript. Students interested in pursuing a math class over the summer should reach out to the summer math coordinator at [julie.loveless@smapdx.org](mailto:julie.loveless@smapdx.org). All summer math courses must be approved by the summer math coordinator by **Friday, June 2<sup>nd</sup>**.

## MATHEMATICS FORECASTING F.A.Q.

### ○ **How do I know what math class to forecast for?**

Your current math teacher determines their recommendation for the course that you should forecast for based on your work and performance in your current class up to this point in the year. They use the math forecasting options rubric to determine which course will most appropriately challenge you and set you up for future success. They also take into consideration your work in your previous math courses that tie-in closely with your future math course.

### ○ **What if I don't agree with my math forecasting recommendation?**

Your first step is to talk to your current math teacher and discuss their recommendation. If you still have concerns after talking to them, please reach out to the Math Placement Coordinator, Brian Kelley, at [brian.kelley@smapdx.org](mailto:brian.kelley@smapdx.org).

- **What if I want to enroll in the honors course and I am currently not enrolled in an honors course?**  
There is flexibility between courses. If you are hoping to enroll in the honors course, you must meet the grade criteria for test averages outlined in the math forecasting options rubric. If you have questions about this, please reach out to the Math Placement Coordinator, Brian Kelley, at [brian.kelley@smapdx.org](mailto:brian.kelley@smapdx.org).
- **What if I'm currently enrolled in an honors course and do not want to be enrolled in an honors course next year?**  
If you get your forecasting recommendation for an honors course and you prefer not to take the honors course, please meet with your current math teacher to discuss their recommendation and their reasoning behind it. You should work with your current teacher to decide what would be the best course for you to forecast for, but you are able to make a change with their approval.
- **Can I skip a math course by taking it over the summer?**  
While St. Mary's Academy does not offer in-house summer math classes, we do honor summer courses that meet the rigor of a St. Mary's Academy math class. Summer courses may be taken at approved local high schools, community colleges, or online through an accredited program. Remedial and credit-recovery courses (including PPS summer courses) will not be approved. A student who participates in a summer course will not receive credit for their coursework on their St. Mary's transcript.
- **How can I get into AP Calculus?**  
Students who are currently enrolled in Honors Pre-Calculus may forecast for AP Calculus. Students who are currently enrolled in Pre-Calculus who have a 95% test average and a recommendation from their current math teacher may also forecast for AP Calculus.



## SMA 2023-2024 Mathematics Forecasting Guide

Current Course	Forecasted Course	Conditions for Acceptance
<i>Algebra 1</i>	Geometry	None
	Honors Geometry	95% test average with a minimum of 92% on semester finals <u>and</u> Teacher Recommendation
<i>Accelerated Algebra 1</i>	Geometry	None
	Honors Geometry	95% test average
<i>Geometry</i>	Algebra 2	None
	Algebra 2 + Trig	80% test average
	Honors Algebra 2 + Trig	95% test average
<i>Honors Geometry</i>	Algebra 2 + Trig	None
	Honors Algebra 2 + Trig	80% test average
<i>Algebra 2</i>	Statistics	None
	Algebra 2 + Trig	None
	None (if Graduation Requirements Satisfied*)	
<i>Algebra 2 + Trig</i>	Statistics	None
	Pre-Calculus	80% test average
	Honors Pre-Calculus	95% test average
	None (if Graduation Requirements Satisfied*)	
<i>Honors Algebra 2 + Trig</i>	Pre-Calculus	None
	Honors Pre-Calculus	80% test average
	None (if Graduation Requirements Satisfied*)	
<i>Statistics</i>	Pre-Calculus	Teacher Recommendation and completion of Algebra 2 + Trig
	None (if Graduation Requirements Satisfied*)	
<i>Pre-Calculus</i>	Calculus	None
	AP Calculus	95% test average
	None (if Graduation Requirements Satisfied*)	

<i>Honors Pre-Calculus</i>	Calculus	None
	AP Calculus	None
	None (if Graduation Requirements Satisfied*)	
<i>Calculus</i>	AP Calculus	None
	None (if Graduation Requirements Satisfied*)	
<i>AP Calculus</i>	PSU Calculus	70% or above (PSU Requirement)
	None (if Graduation Requirements Satisfied*)	

*\*The state of Oregon requires all students complete 3 years of math and reach Algebra 2 or its equivalent.*