



## Upper School Math Summer Advancement Guidelines

2022-2023

### Philosophy

The Pingry School presents a strong and robust math program with an advanced and challenging curriculum. Students in our program not only gain understanding of the concepts, but also acquire the important skills of applying the material in various settings under different circumstances, including in science, art, and history classes. The grade of A in our classes is an indication of mastery of the current material but is not necessarily an indication of a student's ability to advance beyond the next level in our program. We recognize that there are some students that do exhibit the ability to complete summer work to advance (skip) past a course and start the next year ahead in their math curriculum. However, these instances are rare. The student must have the approval of the department in advance and must meet strict requirements for advancement. Taking a 6-week summer class in place of a full-year course may create knowledge gaps that students will need to cover on their own. Additionally, students who advance into the honors level courses must be ready for the advanced rigor of such classes.

### General Rules

- Students must submit the [Pingry Mathematics Course Advancement Request Form](#) to their teacher no later than **May 31st, 2023**.
- Summer advancement may be achieved through two avenues:
  - Earning a grade of B or higher in the Pingry Summer Program course.
  - Earning a passing score on the **Placement Test on July 18th, 2023**.
- Students **will not be offered a placement test** if the summer course grade is below a B.
- The Placement Test score is final. **No additional testing will be offered.**
- The students who cannot take the Placement Test on July 18th must make arrangements to take the test **before July 18th. No testing will be offered after July 18th.**
- **No student may do any work on their own for the purpose of advancement**, such as going ahead with the next year's curriculum or working with a tutor on next year's material without first securing approval from the department. If a student chooses to do such work without the department's permission, **no testing or advancement opportunity will be offered.**

## Types of Advancement

There are two categories of advancement in the Pingry math program, **half-year** advancements and **full-year** advancements.

- **Half-Year Advancements**
  - Intermediate Algebra (IA) to Geometry and Advanced Algebra (GAA)
  - Intermediate Algebra and Geometry (IAG) to Advanced Algebra and Trigonometry Honors (AATH)
  - Geometry and Advanced Algebra(GAA) to Precalculus Honors
  - Advanced Algebra and Trigonometry(AAT) to Calculus.
  
- **Full-Year Advancements**
  - Geometry to Precalculus.
  - Geometry Honors to Precalculus Honors.
  - Precalculus to AP AB Calculus.
  - Precalculus Honors to AP AB or BC Calculus (A grade of A or better in the Pingry Summer Course or a Pingry Placement Test score over 90% is required for the placement into AP Calculus BC).
  - Intermediate Algebra (IA) to Advanced Algebra and Trigonometry Honors (AATH)

## Requirement for Advancement

- A year-end grade of an **A** in the previous course for **half-year** advancement.
- A year-end grade of an **A+** in the previous course for **full-year** advancement.
- **Recommendation** of the previous course teacher in collaboration with the math department. This recommendation is based on the student's developmental readiness, ability to study independently, love of learning mathematics, active class participation, comfort with the class material, ease of adjustment to fast-paced courses, and fulfilling every extra enrichment opportunity offered in their current class.
- Completing **one** of the following:
  - Passing appropriate placement test which is administered on **July 18th**.
  - Passing an appropriate Pingry Summer course (if available) with a grade of **B or better**.