

Introduction

Student achievement in mathematics is critical for preparing students for college and career, especially in science, technology, engineering and mathematics (STEM). A student's 9th grade mathematics placement in particular is crucial to ensuring future educational success.

If students are placed below their level of proficiency in 9th grade mathematics courses, their ability to complete the recommended sequence of mathematics courses for admission to the University of California and California State University systems and other higher education institutions may be compromised. Mathematics misplacement has also been shown to affect students' confidence and their overall educational experience.

Hamilton Unified School District is determined to ensure that students are placed in mathematics courses that are challenging and that will lead all students to be college and career ready.

Protocol for Mathematics Assignment for all Incoming 9th Graders

1. All¹ incoming 9th grade students will be placed in **Integrated Mathematics I** (meets A-G Requirements).
2. Any 9th grade student who believes he/she will be able to be successful in **Integrated Mathematics 2** (meets A-G Requirements) may take the MDTP² (Math Diagnostic Testing Project) IS45A00 Integrated Second Year Readiness. That score along with CAASPP scores, grades, and any other objective indicators of student proficiency in mathematics will be used by the committee to make the determination.
3. 9th grade students/parents will be notified of placement in **Integrated Mathematics 2** in writing prior to the start of the school.
4. 9th grade students/parents dissatisfied with a student's 9th grade mathematics course placement may appeal this decision to the Principal for reconsideration.

¹ Unless identified for exclusion/modification in an IEP

² <http://mdtp.ucsd.edu/>



Time Line	Event	Comments
Spring 8 th grade year by May 1	Contact Hamilton High School Kelly Langan or Maria Reyes to discuss placement test schedule. KLangan@husdschools.org MReyes@husdschools.org	Tests will have to be ordered, so please allow time.
Spring 8 th grade year after May 1	Committee evaluates any requests for Integrated Mathematics 2 placement	Committee will be made up of District math teachers and counselors.
Summer 8 th -9 th grade year	Written notice will be sent to parents/student regarding 9 th grade placement in Integrated Mathematics 2 for the fall.	
Summer 8 th -9 th grade year	Appeal process	Contact Principal Cris Oseguera COseguera@husdschools.org
Fall 9 th grade year	Begin course work	Committee to re-evaluate student placement and make corrections.

Objective Determination

MDTP

The MDTP tests are designed to measure student readiness for a broad range of mathematics courses. More importantly, the tests were developed to provide students and teachers with diagnostic information about student preparedness.

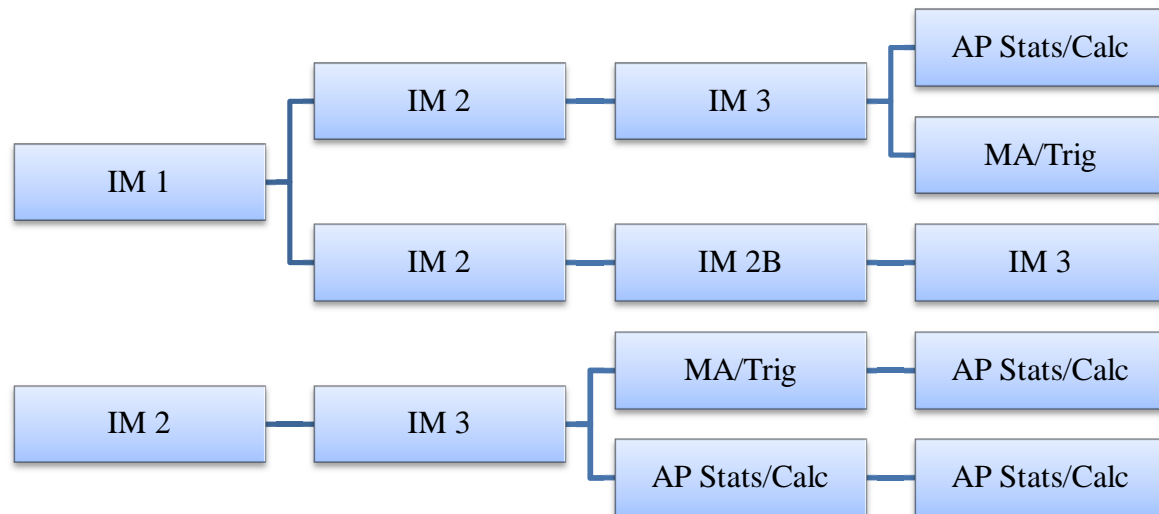
Topics for the MDTP IS45A00 Integrated Second Year Readiness

- Graphical Representation
- Informal Geometry and Logic
- Linear Equations and Inequalities
- Polynomials, Including Quadratic Equations
- Rational Expressions, Exponents, Square Roots, and Scientific Notation

CAASPP scores in mathematics from 7th and 8th grade

Math grades from 7th and 8th grade

Hamilton High School Math Flow Chart



NOTES:

IM: Integrated Mathematics

MA: Math Analysis

Trig: Trigonometry

1. AP Stats or Calculus are offered alternating years and require teacher permission.
2. All mathematics courses prepare students to meet the UC/CSU A-G Requirements. To meet UC/CSU Requirements: students must complete Integrated Mathematics 1, Integrated Mathematics 2 and Integrated Mathematics 3. A fourth year of mathematics is highly recommended. Students must earn a C or better in all semester to satisfy the requirements.
3. Hamilton High graduation requirements: successful completion of 3 years of mathematics, with a **minimum** of Integrated Mathematics 1 and Integrated Mathematics 2 or equivalent.