General Education Math Pathways for 2023-2024

* = While enrolled in advanced math courses, a grade of C- or higher is required at 6-weeks, end of 1st semester and end of 2nd semester.

** = suggested criteria is a guideline, not a recommendation nor guarantee of success in course, especially if skipping content

*** = required criteria to be eligible to enroll in course

Revised 2.8.2023
Math Pathways Chart: Symbols & Colors

- **Pathways movement**
  - = pathway to next-in-line course
  - = on-ramp to advanced pathway *without* skipping of math content
  - = on-ramp to advanced pathway *with* skipping of math content
  - = caution is advised with skipping of math content

- **Data to inform** parents/students when considering enrollment in the advanced Math 6/7A course (red solid arrow) or signing-up for an End-of-Course test to possibly skip content (red dotted arrows). There are other important factors to consider when making this decision - see resources at www.saratogausd.org/mathplacement.

- **Required Assessments/Scores** to be eligible to enroll in an advanced course with skipping of content (red dotted arrows).
Assessments to inform (red solid arrow and red dotted arrows):

- **iReady** (given in class throughout the school year): Parents receive score reports through ParentSquare and may discuss results with student’s teacher if questions.

- **SBAC** (from spring the previous school year): The California Assessment of Student Performance and Progress (CAASPP) System includes Smarter Balanced Summative Assessments (SBAC) given to 3rd-8th grade students each spring in English language arts (ELA) and mathematics. SBAC score reports are available in PowerSchool for students who took this assessment at SUSD last school year.

Required Assessments to Skip Content (red dotted arrows):

- **End-of-Course tests** (given outside of the school day) cover content trying to skip.

**Note:** Summer coursework is not considered for math pathways movement. No further placement testing will occur in late summer/fall for returning students.
Math Pathways: Additional Information

- **Advanced math course letter grade condition:** When enrolled in an advanced math course at Redwood, students who have a letter grade of **D+ or lower** at the **first 6-weeks** of the school year **or** the end of **first semester** **or** the end of the **second semester** will be automatically moved to a less advanced math course.

- As professional educators, we do **not** recommend the skipping of math courses.

- Algebra 1 and Geometry are high school-level courses taught at Redwood and may **not** be skipped.

- Letter grades earned in Algebra 1 and Geometry at Redwood may appear on your student’s high school transcript. Saratoga High School has pre-requisite letter grade recommendations for their math courses (see last slide).

- Algebra 1 in 6th grade will be considered on a “case by case” basis for students scoring 85% or higher on the End-of-Course Math 6/7A **and** Math 7B/8 tests. Parents will be notified of consideration after student takes the Math 6/7A test.
Elementary to Redwood Middle School Transition

**5th Grade:**

- **As of the end of the school year:**
  - **Fifth Grade Math**

**6th Grade:**

- **Math 6**
  - Student is best prepared to succeed and will be challenged to learn grade-level content at the grade-level pace.

- **Math 6/7A**
  - Student is best prepared to succeed and will be challenged to learn grade-level content and half of the next level at a faster pace.

- **Math 7B/8**
  - Student has gained proficiency in Math 6/7A content outside of SUSD and is best prepared to succeed and will be challenged to learn the next levels of content at a faster pace. Skipped content (Math 6/7A) will **not** be reviewed in this course.

Note: 1½ Years Content Skipped
Redwood Middle to Saratoga High Transition

**Math 6**
6th Grade

**Math 7**
7th Grade

**Math 8**
8th Grade

**Math 6/7A**

**Math 7B/8**

**Algebra 1**
9th Grade

**Geometry**
10th Grade

**Algebra 2 or Algebra 2 Honors**
11th Grade

**Pre-Calculus or Pre-Calculus Honors** and/or Statistics or Statistics (AP)
12th Grade

**Calculus or Calc AB (AP) or Calc BC (AP)** and/or Statistics or Statistics (AP)
Saratoga High School
Math Pathways

Letter Grade Requirements/Recommendations:

- **Minimum 4-year college Entrance Requirement**
  Must earn a C- or higher in the following math courses: Algebra 1, Geometry, Algebra 2/2H

- **Recommended Prerequisite Grades**
  The recommended prerequisite letter grades listed in the pathways chart are based on student’s 2nd semester grades for in-seat full-year classes taken at Redwood Middle School or SHS (not summer or online).

**SHS Mathematics Department members feel strongly that students benefit most from enrolling in mathematics classes offered during the regular school year.**