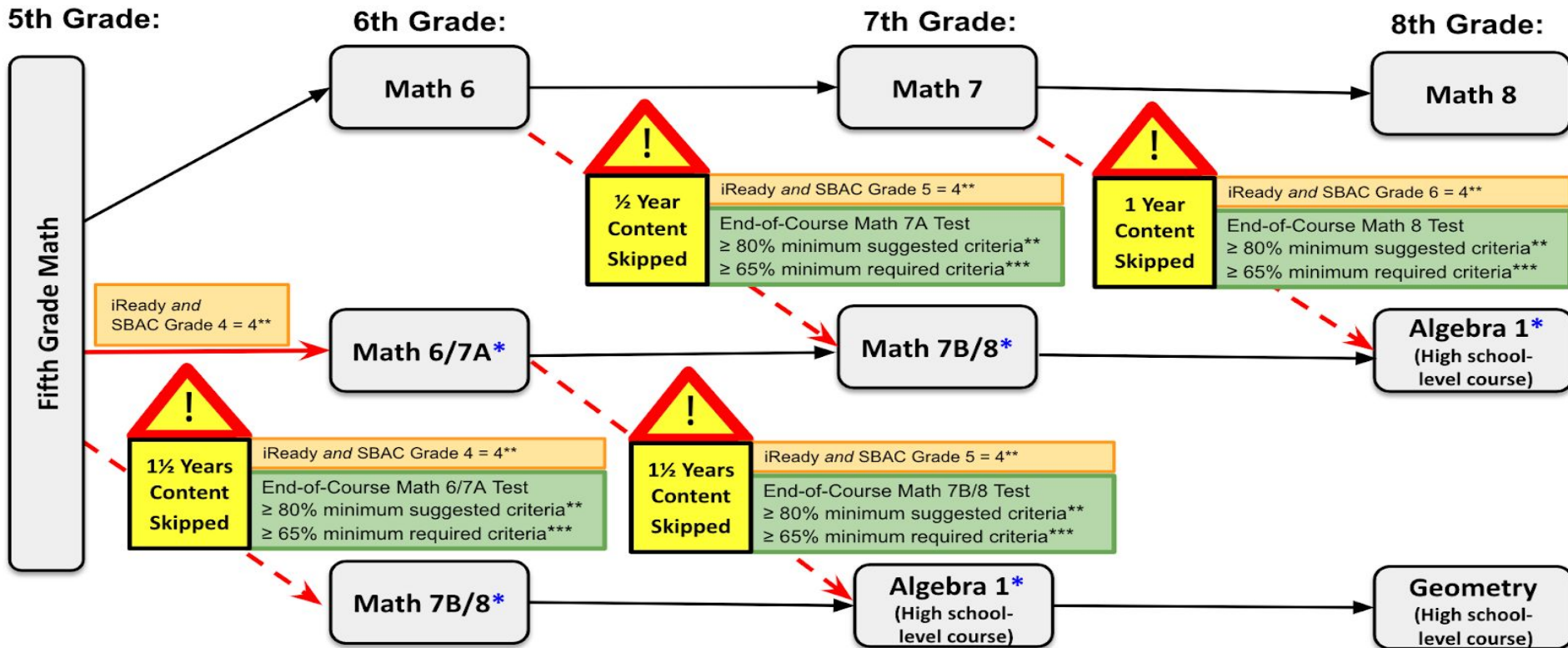




General Education Math Pathways for 2022-2023



* = 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

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**).



Math Pathways Chart: Assessments

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:

6th Grade:

Fifth Grade Math

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.*



1½ Years
Content
Skipped

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.

Redwood Middle to Saratoga High Transition



Grade

6th

Math 6

Math 6/7A

Math 7B/8

7th

Math 7

Math 7B/8

Algebra 1

8th

Math 8

Algebra 1

Geometry

9th

Algebra 1

Geometry

Algebra 2 or Algebra 2 Honors

10th

Geometry

Algebra 2 or Algebra 2 Honors

Pre-Calculus or Pre-Calculus Honors

11th

Algebra 2 or Algebra 2 Honors

Pre-Calculus or Pre-Calculus Honors

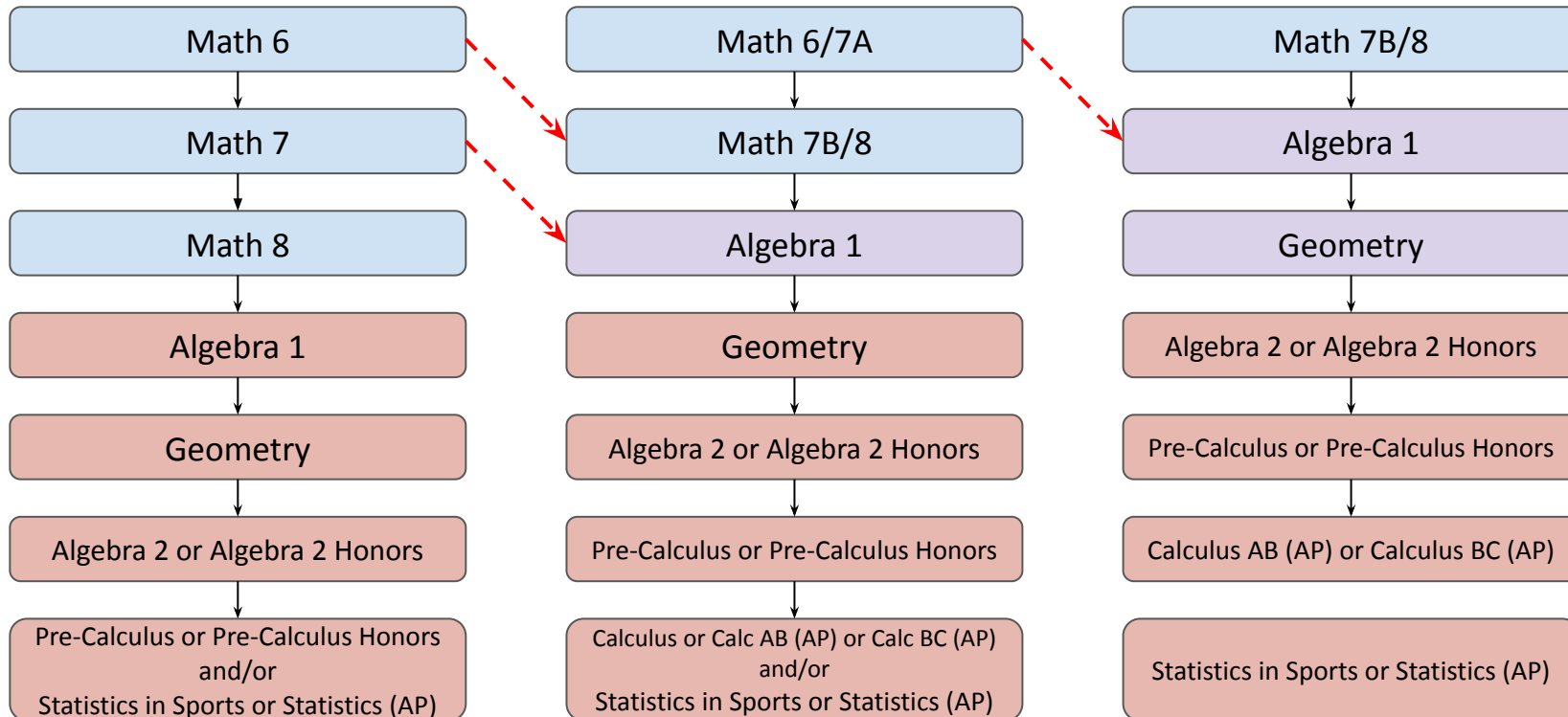
Calculus AB (AP) or Calculus BC (AP)

12th

Pre-Calculus or Pre-Calculus Honors
and/or
Statistics in Sports or Statistics (AP)

Calculus or Calc AB (AP) or Calc BC (AP)
and/or
Statistics in Sports or Statistics (AP)

Statistics in Sports or Statistics (AP)



Saratoga High School Math Pathways

Letter Grade Requirements/Recommendations:

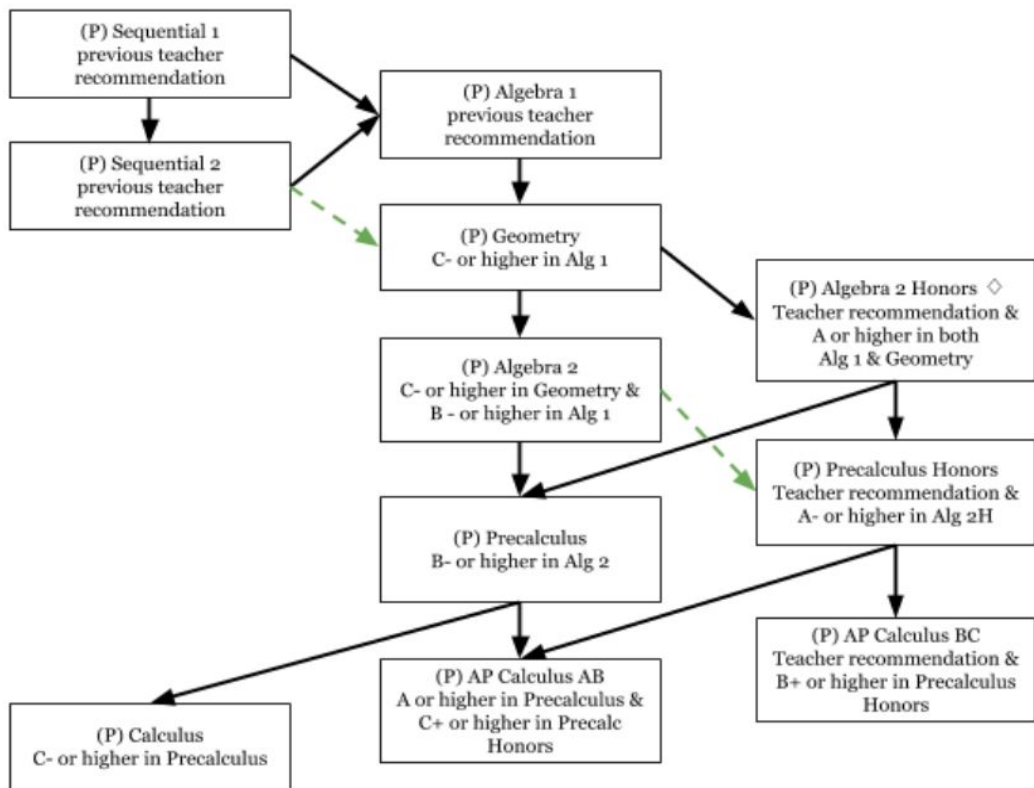
- **Minimum 4-year college Entrance Requirement**

Must earn a C- or higher in the following math courses: Algebra 1, Geometry, Algebra 2/2H

- **Special Notes**

The recommended prerequisite grades listed 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.



Mathematics Electives

(P) AP Statistics
B- or higher in Alg2
(priority enrollment to seniors)
(*)

(P) Statistics in Sports
C- or higher in Alg2
(**)

← Dashed arrow green require individual meeting with teacher & additional preparation

(*) completion of Alg2 or higher; Precalculus preferred (**) completion of Alg2 or higher