

BHS 9th Grade Math FAQ 2020-2021

Please visit the BHS [Math Department Website](#) for more information, including the course progression.

What are the course options for incoming 9th-grade students?

Math 1 or Advanced Math 1.

What are the requirements for being placed into Advanced Math 1?

Students will need to take a placement test to determine if they have mastered the prerequisite topics for Advanced Math 1.

When is the test for Advanced Math 1?

| Date: | Location/Time: (includes 15 min check-in time) | Students: |
|--------------------------|--|--|
| April 24, 2020 Friday | BHS Library 4:00-5:15 pm | Non BUSD 8th-grade students |
| April 28, 2020 Tuesday | Willard Middle School 3:15-4:30 pm | Willard Middle School students |
| April 29, 2020 Wednesday | Martin Luther King, Jr Middle School 2:30-3:45 pm | MLK, Jr Middle School students |
| April 30, 2020 Thursday | Longfellow Middle School 3:30-4:45 pm | Longfellow Middle School students |
| May 1, 2020 Friday | BHS Library 4:00-5:15 pm | Makeup test day for all BUSD registered students |

What are the topics on the test for Advanced Math 1 and how can I study for it?

The test will be comprised of [common core math standards in the middle school curriculum \(grades 6-8\)](#). BUSD middle schools are following the [Engage NY curriculum](#), you may supplement your classroom practices with [Khan Academy](#) curriculum specific support page.

How does my child sign up for the Advanced Math 1 test?

Please fill out the [google form](#) and make sure you are signing up for the right date and location. You'll be able to sign up until a day before the placement test. Students are required to bring a picture ID to the test location.

When will the students receive the test result?

Students and families will receive the notification for recommendation letters during the third week of May.

Will 9th-grade students have the option to test into Math 2 or Advanced Math 2?

No, all incoming 9th-grade students will be in either Math 1 or Advanced Math 1.

Are there any other opportunities for acceleration in math other than in 9th-grade Advanced Math 1?

Yes, students will have one final opportunity in the spring of their 9th-grade year. Students in Math 1 will have the option to take a qualifying test in the spring and would need to complete some additional work in order to be placed in Advanced Math 2 in their sophomore year. Completion of that work will be confirmed in August before students begin Advanced Math 2.

How does one qualify for Advanced Math 2?

You will automatically be placed in Advanced Math 2 if you receive a grade of “B” or better in Advanced Math 1. Alternatively, (as described above) some students may choose to begin a process in their 9th-grade year that would allow them to enter Advanced Math 2 their sophomore year. The process begins with a test in the spring of 9th grade.

Do Math 1 and Advanced Math 1 use the same curriculum?

Yes. Advanced Math 1 is faster-paced than Math 1, and will cover more material. Advanced Math 2 will also be faster paced, leading to Advanced Math 3. However, all courses work through the same curricular material.

What content is covered in Math 1 and Advanced Math 1?

Math 1 is interconnected algebra, geometry, and statistics. Students will gain a deeper understanding of algebraic manipulations and functions, as well as use transformational and coordinate geometry and begin work with matrices and vectors. Math 1 is the first in the sequence of Math 1, Math 2, and Math 3. Advanced Math 1 is an accelerated version of Math 1 going into Math 2 during the 9th-grade year; it is also the first in a sequence that continues into Advanced Math 2 and Advanced Math 3.

My child has an IEP (Individual Education Plan). What math class will they take?

With few exceptions, all 9th-grade students will be placed in Math 1. Students with an IEP will get additional support as needed and defined by their IEP from their case manager.

My student passed the Advanced Math 1 test, but I'm not sure if I want her/him to take an advanced class. What are the benefits/drawbacks?

The main difference between Advanced Math 1 and Math 1 is pacing. Advanced Math 1 students are on track to complete AP Calculus BC (one year of college calculus), in their senior year. Students entering the Advanced Math course progression should be eager math students who truly love math and are desiring a faster-paced course. For some students, the workload associated with this course progression is a drawback.

What courses must a student take in 9th grade to be on track to take Calculus by senior year?

It is important to note that Calculus is an available senior year for *all* students in both Math 1 or Advanced Math 1. Students in Math 1 may choose to take AP Calculus AB (one semester of college calculus in one high school year). Students taking Advanced Math 1 will be on-track to take AP Calculus BC (described above) in their senior year.

What resources does the math department offer for students who are struggling?

The Math Department offers free tutoring Monday through Thursday from 3:30 - 4:30 pm (thanks to the Berkeley High School Development Group!). We also have a [support website](#) with helpful videos and notes for each module. There are often other [tutoring resources](#) available.

Where to Go with Additional Questions: You can email Sumeyye Cardakli at sumeyyecardakli@berkeley.net. She is Berkeley High School's Math Coordinator.