

MATHEMATICS

Figuring out what MATH to take?

What choices do I have?

In grade 9, there are 2 levels of Math: Math 9 Prep and Math 9. Students who had significant challenge with Math 8 will be required to take Math 9 Workplace (by teacher recommendation).

Figuring out which Math to take: What are all the different choices?

In choosing the Math course for you, look at your history of success in previous Math courses. Consult with your Math teacher if you are not sure which course is appropriate for you. Because post-secondary institutions and programs differ in the Math required for entry, it is wise to research the entrance requirements for the specific institutions and programs you are considering. There are Post-Secondary programs that accept Foundations 12 or a B in Pre-Calculus 11 as entrance requirements.

Grade 10

Three options are offered: Foundations of Math & Pre-Calculus 10, Honours Foundations & Pre-Calculus 10, and Workplace Math 10.

Grade 11

Four options are available for grade 11: Pre-Calculus 11, Honours Pre-Calculus 11, Foundations of Math 11, and Workplace Math 11. All lead to graduation, but some post-secondary institutions (including some universities) require the completion of Pre-Calculus Math 11 for basic entrance. Students should have an A or B in Foundations of Math & Pre-Calculus 10 to take Pre-calculus 11. Students should have a C or C+ in Foundations of Math & Pre-Calculus 10 to take Foundations of Math 11. Science and Business programs may require Pre-Calculus 12.

Grade 12

Five options are available: Workplace Math 12, Foundations of Math 12, Pre-Calculus 12, Calculus 12 and AP Calculus 12. Both Calculus 12 and AP Calculus 12 are grade 12 elective courses that provide excellent preparation for first year university Math courses.

Am I stuck in a stream (level) forever?

Grade 10

Streams are not transferrable, meaning that if you took Workplace Math 10, it does not lead to Foundations 11 or Pre-Calculus 11. Each stream is different, just like Biology 11 doesn't lead into Chemistry 12.

Grade 11 & 12

Students should consider carefully which Math course they wish to take. Course planning is the best time to reassess your Math choice. You should consult with your Math teacher and look into the requirements for your projected career or post-secondary education program.

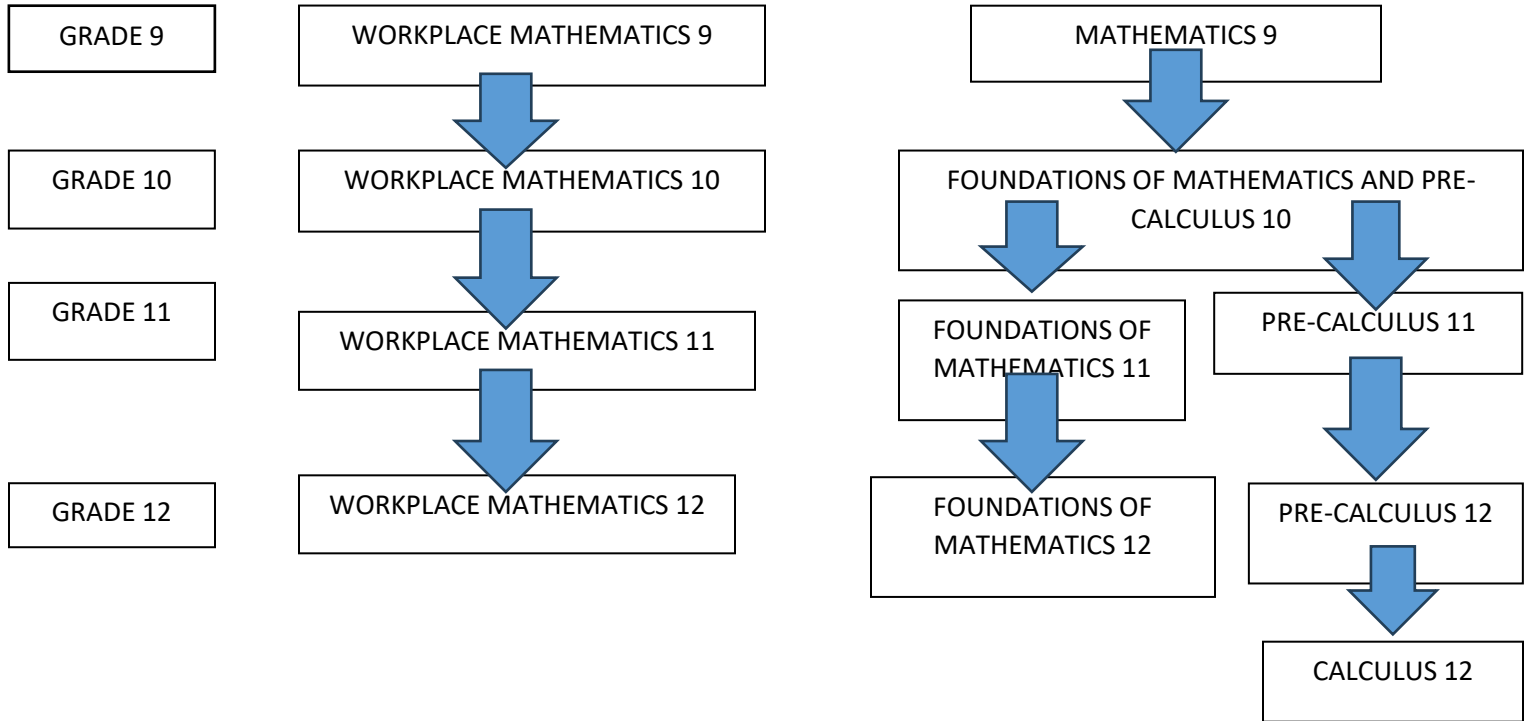
Which Math course do I need to graduate?

A student must pass both a Mathematics 10 and a Mathematics 11 course to graduate. All grade 10 and 11 Math courses Yale offers meet graduation requirements.

Please see next page for Math Request Guidelines

MATH INFORMATION AND PATHWAYS CHART

As the BC Ministry of Education aims to enhance the *math* literacy of students, many pathways of Mathematics are offered at Yale Secondary School. To help you understand these pathways, here is a flow chart:



The goals of all three new pathways are to provide prerequisite attitudes, knowledge skills and understandings for specific post-secondary programs or direct entry into the work force. All three pathways provide students with mathematical understandings and critical-thinking skills. It is the choice of topics through which those understandings and skills are developed that varies among pathways.

When choosing an appropriate pathway, students should consider their interests, long-term career plans, academic qualifications needed, as well as, appropriateness to their current level of aptitude in mathematics. Math department teachers and counselors are always ready to advise students on course selection if need be. It is also encouraged that students and parents research the admission requirements for post-secondary programs of study, as they vary by institution and by year.