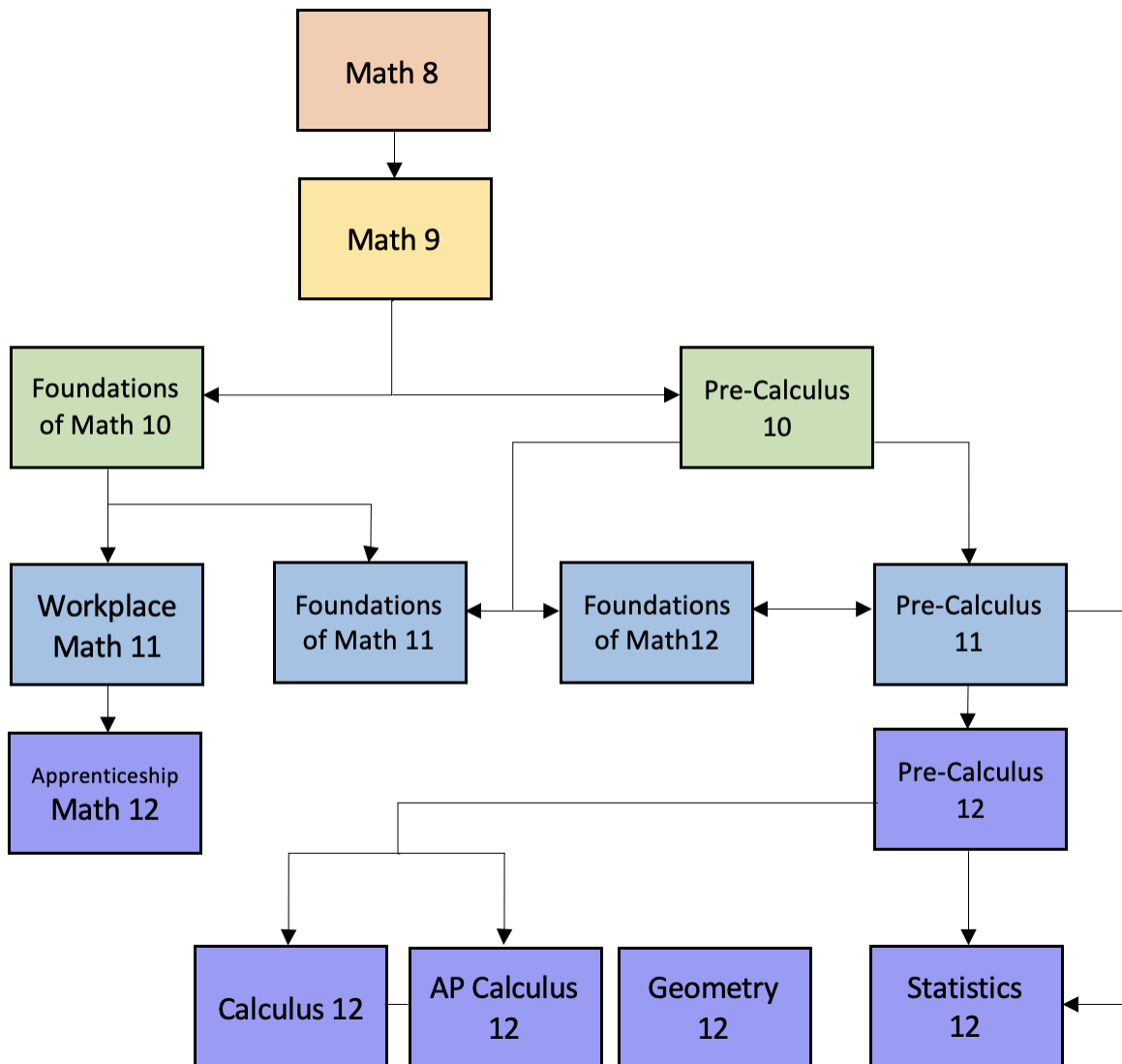


Welcome to Lord Byng's Math Department

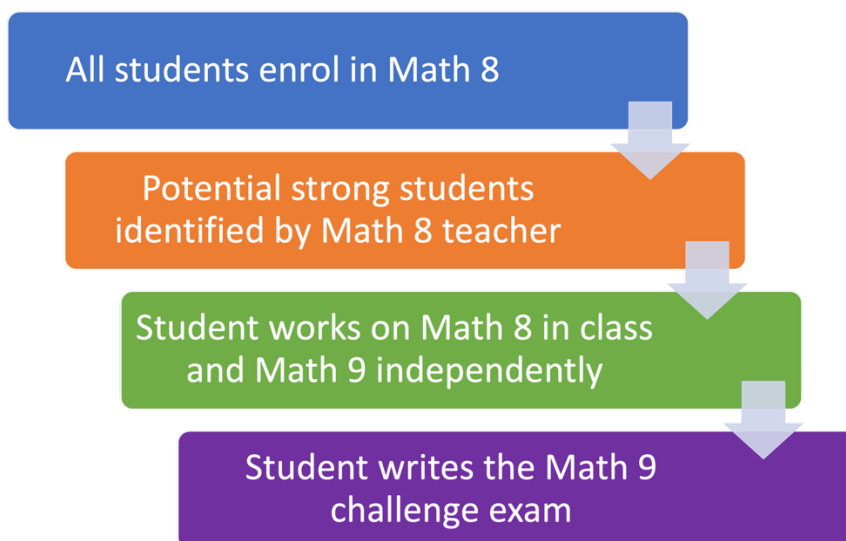
The Mathematics curriculum has been designed to develop deep mathematical understanding and fluency, logical reasoning, analytical thought, and creative thinking...They will learn through both their successes and their failures, developing perseverance, competence, and confidence in mathematics...Throughout the Mathematics curriculum, students (will) foster a strong numeracy foundation that is applicable in all areas of their lives. ([BC Ministry of Education](#))

Lord Byng offers a range of different math courses catering to various student pathways and interests. Detailed course descriptions can be found in the Course Planning Guide. Common questions about the pathway can be found below.



My child is entering Grade 8 and would like to be placed in a more advanced math course.

All Grade 8 students entering Byng are placed in a Math 8 class so that they can build connections with their peer group, develop core and curricular competencies, and to set them up for success for later math courses. Math 8 teachers will be identifying students with potential to take the Math 9 challenge exam, and reaching out to students who demonstrate the required knowledge and work habits.



Are there any challenge exams offered for other courses?

No. If your child wishes to work ahead, they can take the course through an online school.

My child is interested in enrichment through math contests.

- Byng has produced many outstanding mathematicians who have made their mark through various math contests. Students can find out more and register for various math contests through their math teacher. Registration fees for math contests are generously supported through Lord Byng's PAC. Students can also check out any math enrichment clubs the run throughout the school year.

What is the difference between Pre-Calculus 10 and Foundations of Math 10?

Both courses give students the same credit. The Pre-Calculus option prepares students who are looking to continue in the Pre-Calculus pathway in their senior math courses whereas the Foundations course is geared towards Foundations of Math 11/12. Students taking the Pre-Calculus pathway is for students intending to pursue sciences, engineering and business. The Foundations pathway is for students interested in social sciences/humanities and fine arts with an emphasis on real-world mathematics.

What math course(s) are required for high school graduation?

Any of the following Grade 11 course: Pre-Calculus 11, Foundations of Math 11 or Foundations of Math 12 will satisfy the graduation requirement. These three courses can be taken independently; Foundations of Math 12 does not require successful completion of Foundations of Math 11 and can be taken in any order.

What is the difference between Calculus 12 and AP Calculus 12?

The AP Calculus 12 course prepares students to write the AP Calculus exam in May of each year. It follows a prescribed curriculum and potentially be used for advanced university credit. The Calculus 12 course does not have an external standardized exam and focuses on giving students the fundamentals and rigour to be successful in a university level calculus course.

What other math courses does Byng offer at a Grade 12 level?

Statistics 12 is a course on how to present and analyze data, and write about findings. Students interested in pursuing studies into psychology, computer science or academic research should consider this course. The Foundations of Math 12 is a project-based course that covers probability and combinatorics, and financial literacy that is essential in becoming a numerate citizen. The Geometry 12 course covers the basics of Euclidean geometry as well as connections to the AP Calculus BC course.