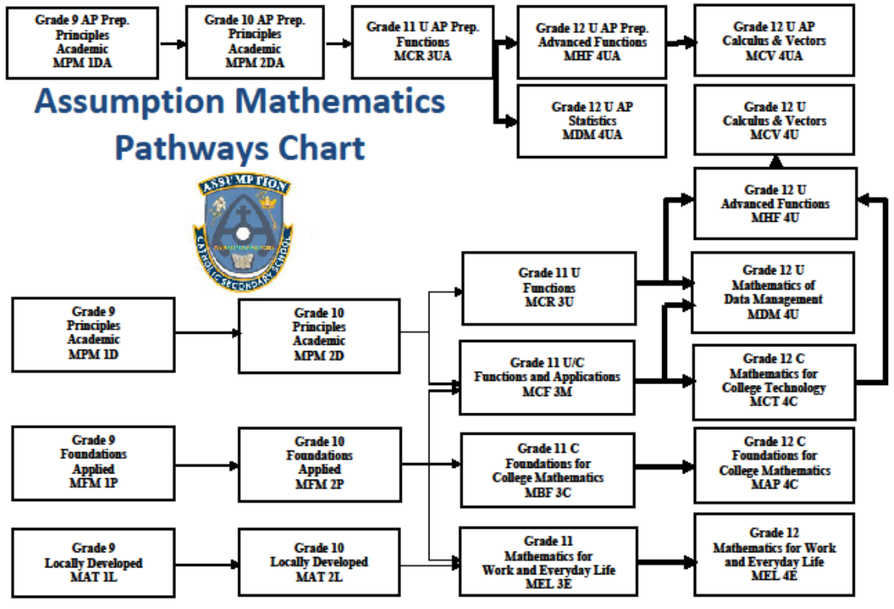
Assumption Catholic Secondary School
3230 Woodward Ave. Burlington (905) 634-1835
www.gobluego.ca

Halton Catholic District School Board

Choosing Math Success

It is imperative to ease the transition to secondary school by helping Grade 8 students and parents understand the choices of pathways and mathematics courses available at the secondary level…

(Leading Math Success p. 80)



The content in the courses in each of the pathways is distinct and specific to the post secondary pursuits as indicated below:

Workplace – This pathway increases student skill in the areas of personal finance, reasoning with data, and applications of measurement. The focus is on the application of mathematics in work and personal life.

College – This pathway prepares students for college programs, including apprenticeships in business, hospitality and tourism, and some health sciences (through MAP 4C) and for technology-related programs (through MCT 4C). Refer to individual colleges for specific pre-requisites.

University – This pathway prepares students for university studies in social sciences and humanities (through MDM 4U), business, social sciences and health science programs (through MHF 4U), and science, engineering, and economics (through MCV 4U). Refer to individual universities for specific pre-requisites.

Advanced Placement – This pathway provides students the opportunity to borden the scope of their mathematics learning at their grade level and to expand and enrich their problem solving skills preparing students to write the AP Calculus AB and/or the AP Statistics exams.

Choosing Math Success

	LOCALLY DEVELOPED COMPULSORY CREDIT	FOUNDATIONS OF MATHEMATICS (APPLIED)	PRINCIPLES OF MATHEMATICS (ACADEMIC)
Course Characteristics	**Content:** -money sense -measurement -proportional reasoning **Goals:** -to develop, enhance and practise mathematical processes, concepts, skills and strategies through a rich variety of activities	**Content:** -number sense and algebra -linear relations -measurement and geometry **Goals:** -to develop students' knowledge and skills through practical applications, concrete examples, hands-on investigations and the effective use of technology	**Content:** -number sense and algebra -linear relations -measurement and geometry -analytic geometry **Goals:** -to extend students' knowledge and skills from concrete understanding towards abstract understanding through problems and practical applications -to develop communication skills in multi-step problem solving
Student Characteristics	**Recommended for the student who:** -thrives in group learning situations -may require accommodations -benefits from everyday mathematical problem solving activities	**Recommended for the student who:** -benefits from directed learning -benefits from learning through application (hands-on) -requires support to develop and maintain organizational skills	**Recommended for the student who:** -is self-motivated -works independently -takes initiative in task completion -demonstrates organization of course materials and tools
Opportunities	-Workplace preparation -Co-op Placement -College (based on Program requirements) -possible transfer to Applied pathway	-Workplace preparation -Co-op Placement -Ontario Youth Apprenticeship Program -College/University (based on program requirements) - possible transfer to Academic pathway	-Workplace preparation - Co-op Placement -Ontario Youth Apprenticeship Program -College/University (based on program requirements)

How can you help at home?

- Provide a positive work environment
- Monitor daily homework and progress
- Encourage your child to seek extra help
- Agree upon realistic goals with your child
- Expect adherence to school policy
- Encourage your child to communicate ALL results
- https://www.tvomathify.com/students

Celebrate successes and discuss means of overcoming difficulties in a positive manner.