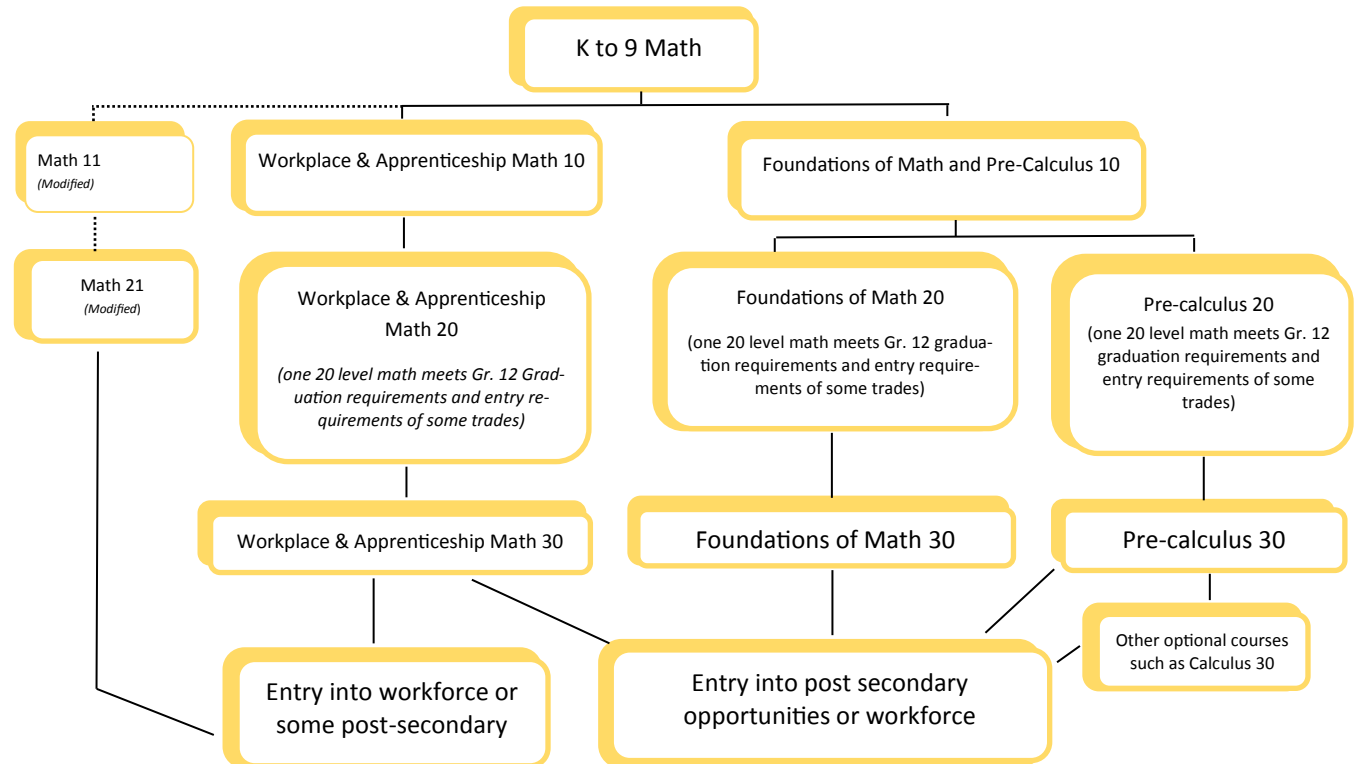# Secondary Mathematics

The Mathematics Program

The new math program is based on the collaborative efforts of the seven western and northern Canadian jurisdictions (Western and Northern Canadian Protocol. The mathematics courses will be consistent among these jurisdictions (BC, AB, SK, MB, NWT, YK,, NU). The new programs reflect current research and best practices.

The new math courses and pathways are guided by the needs of business, industry and post-secondary institutions. Courses are based upon interest and need rather than perceived ability.

Targeting the future pursuits and interests of students increases student learning and understanding. All courses and pathways expect the same level of rigour and deep understanding.

The Mathematics Program

Although the math pathway decision will be based on factors unique to each student, we recommend that each student and their parents reflect on the following four factors before making this section:

- ♦ Student's future education plans
- ♦ Student's future career plans
- ♦ Student's interest in math
- ♦ Student's performance in Math 9 + 10

K to 9 Math

Math 11 *(Modified)*

Math 21 *(Modified)*

Workplace & Apprenticeship Math 10

Workplace & Apprenticeship Math 20

(one 20 level math meets Gr. 12 Graduation requirements and entry requirements of some trades)

Workplace & Apprenticeship Math 30

Entry into workforce or some post-secondary

Foundations of Math and Pre-Calculus 10

Foundations of Math 20

(one 20 level math meets Gr. 12 graduation requirements and entry requirements of some trades)

Foundations of Math 30

Pre-calculus 20

(one 20 level math meets Gr. 12 graduation requirements and entry requirements of some trades)

Pre-calculus 30

Other optional courses such as Calculus 30

Entry into post secondary opportunities or workforce

* It is the responsibility of the student and parents to check course and entrance requirements with specific post-secondary institutions

Math pathways defined

Workplace and Apprenticeship Mathematics

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into the majority of trades and for direct entry into the work force.

Foundations of Mathematics

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus.

Pre-calculus

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus.