

When will the new courses be implemented?

- The renewed 10 level (Grade 10) courses will be implemented in the 2010-2011 school year.
- The renewed 20 level (Grade 11) courses will be implemented in the 2011-2012 school year.
- The renewed 30 level (Grade 12) courses will be implemented in the 2012-2013 school year.

Can a student take more than one pathway for credit?

YES! In fact, Saskatoon Public Schools is currently recommending that most students enrol in both Grade 10 math courses, and students may choose to complete courses in any or all of the pathways.

Are there pre-requisites for any of the courses?

Each course at the 20 and 30 levels has the pre-requisite of all previous courses in that pathway.

Can a student change pathways?

Yes, with the prerequisite pathway courses. Because the content of courses in each pathway is unique, a course from one pathway will not provide the background knowledge necessary to be successful in another pathway.

About the Pathways

Each pathway has been designed to address the admission requirements for specific post-secondary programs.

Apprenticeship

- Content in this pathway was chosen to meet the needs of students intending to pursue careers in the trades and general workplaces.
- Students who enjoy hands-on work would be well-suited for this pathway.

Pre-Calculus

- Content in this pathway was chosen to meet the needs of students interested in pursuing careers in science-related areas.

Foundations of Mathematics

- Content in this pathway was chosen to meet the needs of students intending to pursue careers in areas that typically require university, but are not math intensive, such as the humanities, fine arts, social sciences, and nursing.

What topics are learned in the grade 10 courses?

Foundations of Mathematics and Pre-Calculus 10: includes Spatial Measurement, Trigonometry, Algebra, Functions (especially Linear), and Irrational Numbers

Apprenticeship 10: includes the Imperial and Metric System, Geometry, Trigonometry, and Finance



A Parent's Guide to the Provincially Renewed Secondary Mathematics Program (Grades 10-12)

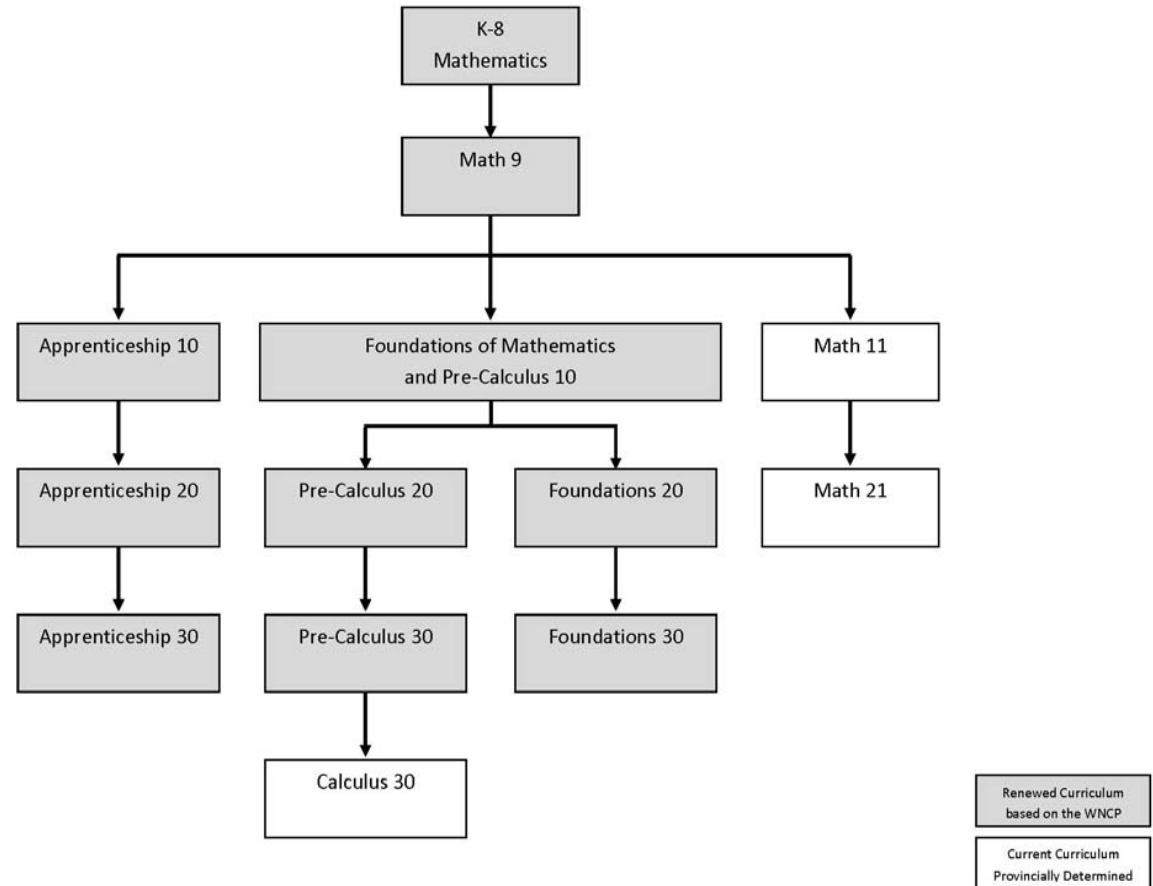
Why are the secondary level mathematics courses changing?

- Extensive research indicates that the current mathematics program is not effectively meeting the needs of all students.
- The new math program is based on 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 will reflect current research and best practices.

What is new in the renewed Mathematics program?

- Courses and pathways are defined by the mathematics that business, industry, and post-secondary institutes indicated that students need.
- Courses are based upon interest and need rather than perceived ability.
- Targeting student future pursuits and interests increases student learning and understanding.
- All courses and pathways expect the same level of rigour and deep understanding.

Renewed Saskatchewan Mathematics Curriculum Structure: The Math Pathways



- The renewed secondary mathematics program, based on the Western and Northern Canadian Protocol, consists of eight courses in three pathways as outlined above. Each course is one credit (100 hours), consistent with all secondary level courses in Saskatchewan.
- Graduation requirement for mathematics will be any 20 level course.

QUESTIONS? Please contact any Saskatoon Public Schools' Collegiate Counsellor.