

## When will the new courses be implemented?

- The new 10 level (Grade 10) courses will be implemented in the 2010-2011 school year.
- The new 20 level (Grade 11) courses will be implemented in the 2011-2012 school year.
- The new 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, we recommend 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 level has the pre-requisite of all previous courses in that pathway.

## Can a student change pathways?

Yes, but they need to have 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

### *Workplace and 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.
- 30% to 40% of all Grade 12 graduates are entering fields for which the mathematics in this pathway is appropriate.

### *Pre-Calculus*

- Content in this pathway was chosen to meet the needs of students interested in pursuing careers in science-related areas.
- 10% to 20% of all Grade 12 graduates are entering fields for which the mathematics in this pathway is appropriate.

### *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.
- 40% to 60% of all Grade 12 graduates are entering fields for which the mathematics in this pathway is appropriate.

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



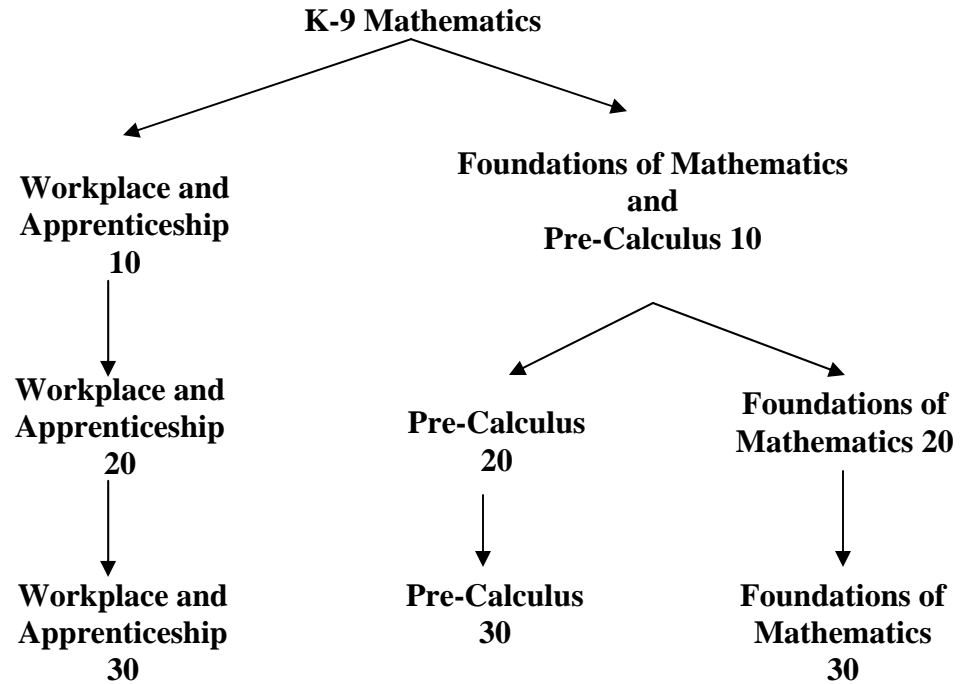
## Why are the secondary level mathematics courses changing?

- 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 new 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.

## What courses will be available?



- 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.
- Calculus 30 is not on the diagram because it is not part of the Western and Northern Canadian Protocol but will continue to be offered in Saskatchewan, and could be taken after Pre-Calculus 30.
- Provincial exams (departmentals) will be prepared for Workplace and Apprenticeship 30, Pre-Calculus 30, and Foundations of Mathematics 30.
- Graduation requirement for mathematics will be any 20 level course.