

PARENT "MICRO" SESSION

HIGH SCHOOL MATH

Your questions answered!

WHY IS GRADE 9 MATH IMPORTANT?

HOW CAN I HELP MY GRADE 9 STUDENT?

- Need to pass Math 9 to take 10C
- Math 10C keeps all options open
- Talk to your child about what they learned each day in class
- Have them show you an example over dinner!

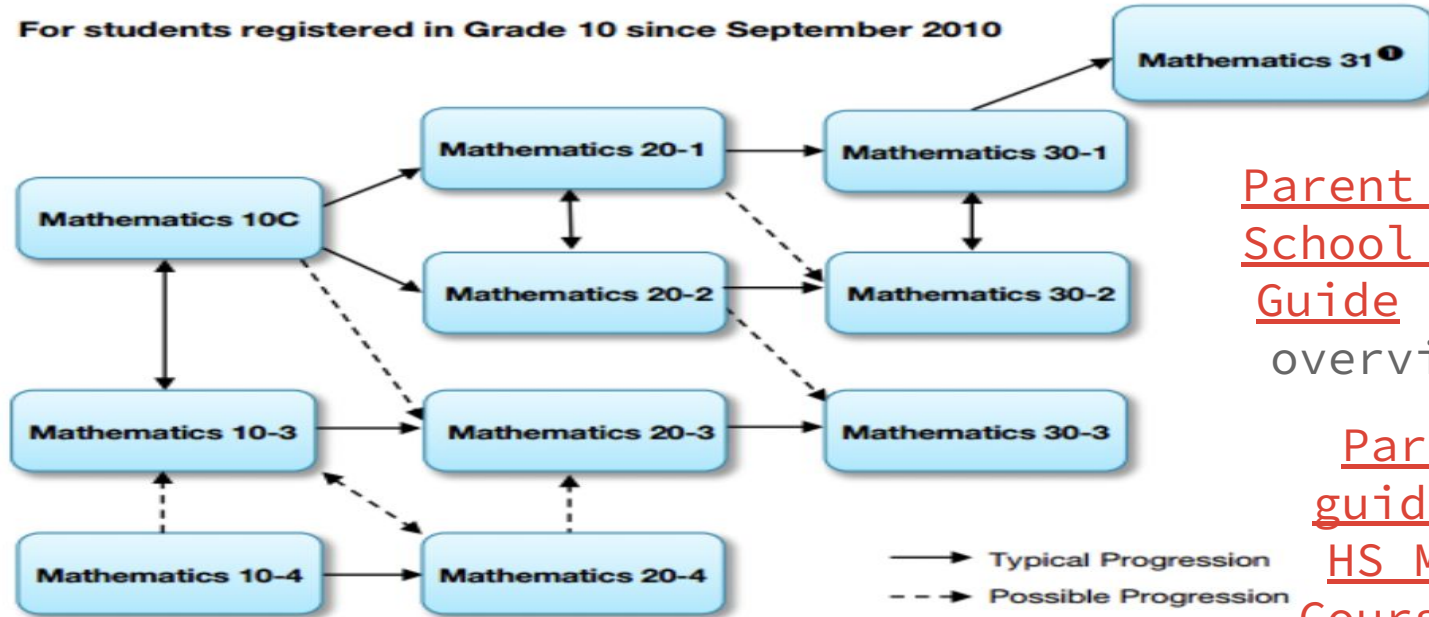
WHAT IS MATH 10C? MATH 15? MATH 10-3?

WHERE DO THEY LEAD?

Mathematics Program

Possible Sequences – Mathematics Course Sequences

For students registered in Grade 10 since September 2010



(Each course is 5 credits.)

● Mathematics 30-1 is a prerequisite or corequisite for Mathematics 31.

[Parent High School Math Guide](#) (PDF overview)

[Parent guide to HS Math Course by course](#)

WHAT DO I NEED TO KNOW TO HELP MY STUDENT CHOOSE THE BEST FIT GRADE 10 MATH COURSE?

- Consider the foundation built in grade 9
- Are they set up for success?
- Are they motivated (they have to do the work not you!)
- Where do their interests lie?

HOW CAN I SUPPORT MY CHILD WITH MATH THROUGH GRADE 10,11 AND 12?

- Develop an expectation that homework needs to be completed
- Create an environment where the child can work effectively on their schoolwork with minimal distractions
- If the child encounters difficulties have them check in with the teacher either at the end of the lesson, at lunch or after school

WHAT IS THE DIFFERENCE BETWEEN 20 AND 30, "-1" "-2" "-3" AND MATH 31?

Choosing the 'right' sequence

Course Sequences

All three course sequences will give students the mathematical reasoning and critical-thinking skills they'll need in life. (Refer to the fact sheet, "A Number of Options" for information on course progression.)

I should take...



Mathematics-1 if I want to study mathematics or sciences at a university, college, or technical institute and go on to a related career.

Mathematics-1 is for students who plan to enter post-secondary programs such as engineering, mathematics, sciences, some business studies, or other programs that require advanced math skills. The sequence is a co-requisite for Mathematics 31 and may be required for post-secondary calculus courses.

Mathematics-1 includes topics such as permutations and combinations, relations and functions, sequences and series, and trigonometry.



Mathematics-2 if I want to attend a university, college, or technical institute after high school, but do *not* need calculus skills.

Mathematics-2 is for students wishing to study at the post-secondary level in diverse fields, including arts programs, some engineering and medical technologies, and some apprenticeship programs. This path will fulfill most students' needs. Mathematics-2 is designed with a great deal of flexibility, so that the student can switch sequences in Grade 11 or Grade 12 if his or her interests change.

Mathematics-2 includes topics such as relations, functions and equations, probability, statistics, and trigonometry.



Mathematics-3 if I am interested in learning the mathematics needed to enter most trades or if I want to enter the workforce after high school.

Mathematics-3 is for students who want to apprentice to a trade or enter the workforce directly after high school. It is designed to meet the entrance requirements for apprentices in most trades programs.

Mathematics-3 includes topics such as finance, geometry, measurement, and trigonometry.

WHAT SHOULD I TALK TO MY CHILD ABOUT WHEN THEY PICK THEIR GRADE 11 MATH COURSES?

- What did you do well at in Grade 10?
- What foundation did you build in grade 10?
- Would you consider changing streams in grade 12?
- What do you think you want to do?

WHAT DO STUDENTS NEED TO KNOW TO PICK THE 'RIGHT' 30 COURSE TO APPLY TO POST SECONDARY?

- **Bottom line...you need to look up what you want to do at the schools of your choice!**

WHAT DO STUDENTS NEED TO KNOW TO PICK THE 'RIGHT' 30 COURSE TO APPLY TO POST SECONDARY?

- ❖ Examples:
- ❖ Arts (undeclared) @ U of C Math 30-1 or 30-2
- ❖ Business @ U of C Math 30-1
- ❖ Nursing @ U of C Math 30-1 or 30-2
- ❖ Mathematics @ U of C Math 30-1
- ❖ Engineering (first year common) Math 30-1, Math 31
- ❖ Kinesiology @ U of C Math 30-1
- ❖ Bachelor of Arts in Psychology @ U of C Math 30-1 or Math 30-2