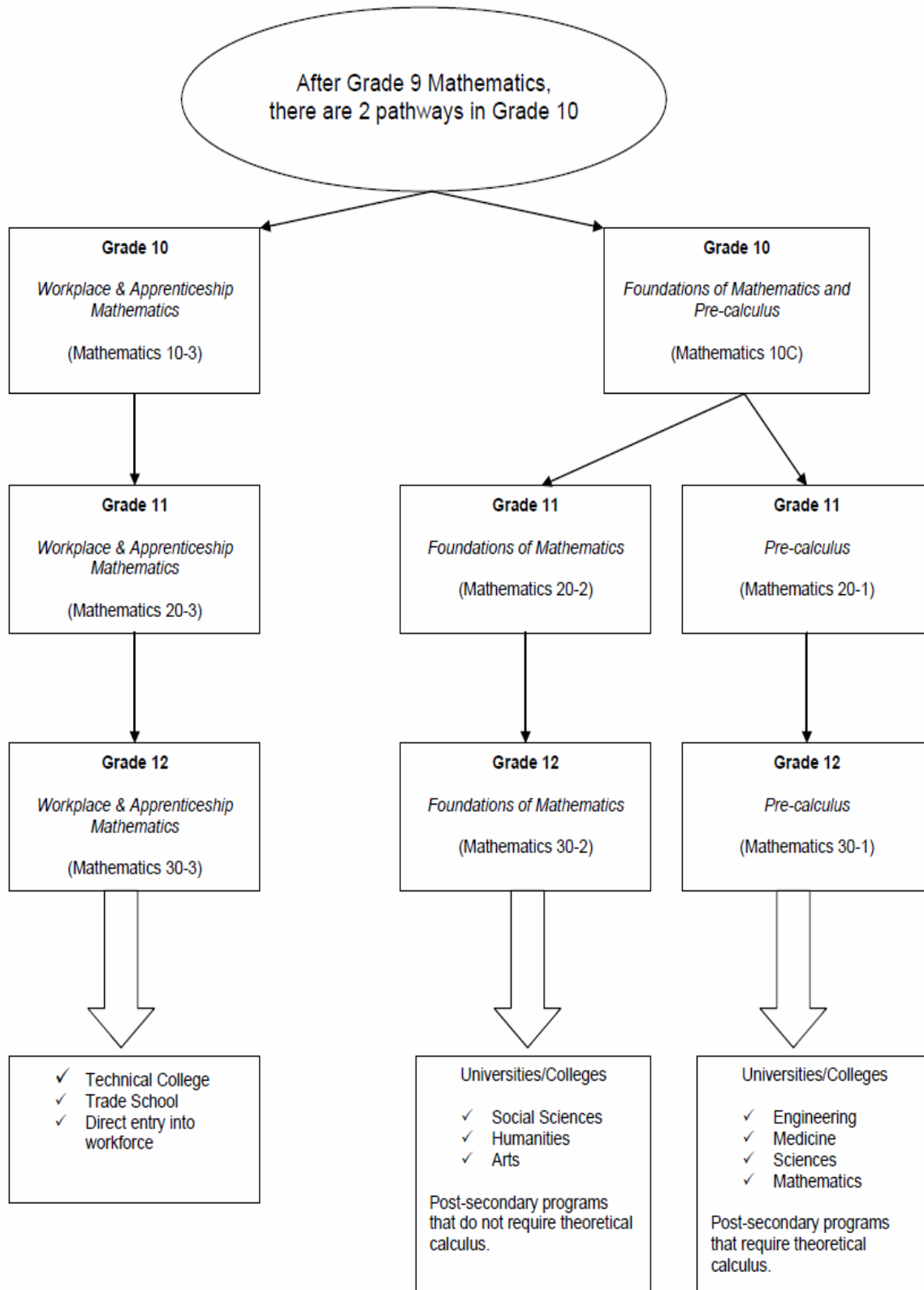


Course Selections for High School Mathematics

The Northwest Territories follow the Alberta Program of Studies for Mathematics. Students in Grade 10 have a choice of two pathways, while students in Grade 11 and 12 have a choice of three pathways.



“Which mathematics course is best suited to my child?”

While there is no “rule” about which mathematics course is right for each student, the decision can be made easier by thinking about your child’s ability in mathematics, his/her interest in mathematics and his/her future education and career plans. The new courses have been designed to facilitate student success after high school. Students should consider future career interests when selecting a pathway.

In Grade 10, there are two pathways for your child to follow:

1. Workplace and Apprenticeship Mathematics (**Math 10-3**)
2. Foundations of Mathematics and Pre-calculus (**Math 10C**)

“Which one to choose?”

1. If your child enjoys working on projects or “hands-on” activities, or intends to pursue a trade or technical job after high school, then choose the **Workplace and Apprenticeship Mathematics** pathway.

2. If your child has worked hard in mathematics in Grades 8 and 9 and is planning to attend university/college to study Economics, Geography, Psychology, Arts, Humanities, Education, the Sciences, Mathematics or Engineering, then the **Foundations of Mathematics and Pre-calculus** pathway will be the better choice.

In Grade 11, there are three pathways for your child:

1. Workplace and Apprenticeship Mathematics 11 (**Math 20-3**)
2. Foundations of Mathematics 11 (**Math 20-2**)
3. Pre-calculus 11 (**Math 20-1**)

1. **Workplace and Apprenticeship Mathematics 11 (Math 20-3)**

This course is strongly recommended for students who are planning on entering the workforce directly after high school, or who are planning on pursuing a career in the trades industry. Topics covered may include reasoning, rates of change, measurement, and statistics. Students who successfully master the learning outcomes of this course may continue on to Workplace and Apprenticeship Mathematics 12. This course satisfies ECE’s mathematics graduation requirements.

2. **Foundations of Mathematics 11 (Math 20-2)**

This course is strongly recommended for students who are planning on pursuing post-secondary studies in the arts or the humanities at university/college - programs that do not require theoretical calculus. Topics studied may include logic and reasoning, functions, geometry, and statistics. Students who successfully master the learning outcomes of this course may continue on to Foundations of Mathematics 12. This course satisfies ECE’s mathematics graduation requirements.

3. **Pre-calculus 11 (Math 20- 1)**

This course is strongly recommended for students who are planning on pursuing post-secondary studies in mathematics or sciences, engineering, business or commerce at university - programs that require theoretical calculus. Topics covered may include relations and functions, trigonometry, polynomial functions, and graphing. Students who successfully master the learning outcomes of this course may continue on to Pre-calculus 12. This course satisfies ECE’s mathematics graduation requirements.

Your child’s education choices after high school depend, in part, on the courses he/she takes in high school. To find out more information about each pathway option, please talk to your child’s principal, counselor or mathematics teacher, as well as, visit www.wncp.ca for more curriculum information.