

Selecting Your Grade 10 Math Course

Student Name: _____

Mathematics 10 (academic credit): Students need a solid background in the grade 9 outcomes. Students should be **meeting or exceeding** the expectation of the grade 9 curriculum outcomes.

Mathematics at Work 10 (graduation credit): Students need a solid background in the grade 9 outcomes designated by shading in the Mathematics at Work 10 column. Students should be **approaching or meeting** most of the grade 9 curriculum outcomes.

Mathematics Essentials 10 (graduation credit): Students need a solid background in the grade 9 outcomes designated by shading in the Mathematics Essentials 10 column. Students may be struggling with the grade 9 curriculum outcomes. All Essentials skills will be reviewed in grade 10.

When choosing your grade 10 math class it is important to select the course that is the best for you as a learner and that matches well with your math skills. Below there are two charts to help you organize both your learner profile and your current math skills.

Your teacher will be able to review your Learner Profile and Skills Inventory with you. It is also important to consider your achievement in your grade 7, 8, and 9 math classes plus an area for the teacher to check where they can determine the current level you are meeting the outcomes.

Learner Profile Inventory

These are important to consider when selecting your math course for grade 10.

	Consistently	Usually	Sometimes	Rarely
I bring supplies to my class and I am ready to learn.				
I keep my notes and handouts reasonably organized.				
I pay attention to the lesson and take notes.				
I work on my math during the time given in class.				
I ask for help when I do not understand.				
I do my homework.				
I stick to a problem and do not give up easily.				
I will try many strategies before I ask for help.				
I enjoy being challenged in class.				
I work well with my classmates and participate in group work or discussions.				

Skills Inventory: This chart identifies math skills that will prepare students for the indicated grade 10 mathematics course.

I CAN...	Mathematics 10	Math at Work 10	Math Essentials 10
Draw and use different types of graphs (bar graph, histogram, pictogram, etc).			
Find patterns and predict next values.			
Compare and order different number sets (fractions, decimals, integers).			
Complete fraction operations (+, -, x, ÷)with a calculator.			
Complete decimal operations (+, -, x, ÷)with a calculator.			
Demonstrate if a solution to a problem is reasonable.			with prompting
Select and apply problem solving strategies.			with assistance
Convert between metric units. (mm, cm, m, km)			with assistance
Understand the difference between an exponent and multiplication.		with review	with review
Estimate and solve square roots.			with review
Complete fraction operations (+, -, x, ÷)without a calculator.		with review	with assistance
Complete integer operations (+, -, x, ÷)without a calculator.		with review	
Plot points (x, y) on a graph.		with review	
Find the surface area and volume of prisms and cylinders.		with review	
Solve problems using similar rectangles and similar triangles.		with review	
Graph linear equations and get information from these graphs.		with review	
Find surface area and volume of 3-D composite shapes.		with review	
Solve for a variable (1 and 2 step equations) and be able to verify my solution.	complex		
Use order of operations.	complex		
Substitute values into an equation and solve.	complex		
Graph and write solution sets for equations and inequalities.			
Use exponent laws.			
Add and subtract polynomial expressions. $(2x + x^2) + (3x - 5x^2 + 1) = ?$			
Find common factors using numbers.			
Multiply and divide polynomials $(2x)(4x + 1)$.			
Identify and combine like terms.			
Demonstrate an understanding of rational numbers.			
Model a word problem by creating an equation.			

Final Grade 7 Mark		
Final Grade 8 Mark		
Term 1 and term 2 Grade 9 Mark		

Current Outcome Achievement (For Teacher):

Mathematics Performance	Not enough evidence	Level 1 Below the expectation	Level 2 Approaching the expectation	Level 3 At the expectation	Level 4 Above the expectation

It is important to look for a math course for grade 10 that fits you the best. Now it is time to review this information with your teacher and your guardian or parents.

TEACHER SELECTION

Your current teacher believes your Math Skills, Learner Profiles and past math performance align well with the following course:

Teacher Selection:	
Mathematics 10	
Math at Work 10	
Math Essentials 10	

STUDENT SELECTION

Please select the Math selection for your grade 10 year at Eastern Shore District High School.

I am choosing :	
Mathematics 10	
Math at Work 10	
Math Essentials 10	

Please bring this home and share the information with you parent or guardian.

Student Name (print): _____

Student signature: _____

Parent/Guardian Name (print): _____

Parent/Guardian Signature: _____