

Foundations of Mathematics 11 Course Outline

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CORE COMPETENCIES



Core competencies are sets of intellectual, personal, and social and emotional proficiencies that all students need to develop in order to engage in life-long learning.

Routines that will occur in the classroom are designed for students to:

- Connect and collaborate with peers and the teacher
- Think critically and creatively about problems and tasks
- Reflect on learning journey and set future goals

COMMUNICATION BETWEEN SCHOOL AND HOME

I will email math updates to all students and parents with test information, assignment due dates, and any other important information. Please update your email address at the office if it has changed and send any questions/concerns by email (placewicz_s@surreyschools.ca) or on TEAMS chat.

SUPPLIES

Pencils, pens, eraser, ruler, some crayons/highlighters/pens, lined and graph paper, scientific calculator

TOPICS

- Angle Relationships
- Mathematical Reasoning
- Systems of Equations/Linear Inequalities
- Quadratic Functions
- Statistics
- Scale Models
- Financial Literacy

Assessment

Students will be assessed by their work on tests and assignments, as well as through ongoing classroom observations and conversations. To help develop a growth mindset, students will have an opportunity to rewrite each test to learn from mistakes and improve throughout the semester.

Tests 70%

Assignments 30%

Classroom Expectations

Behave respectfully in our classroom (appropriate language, arrive on time, be considerate of teachers and classmates). Minimize distractions by putting devices away during class time.

To Succeed in Foundations of Math 11, I will:

1. Be patient! Learning mathematics takes patience and time. Go back to something that was difficult to learn and you might find that after a few days it is easier to understand.
2. Get enough sleep. Your brain processes and sorts the information you learn throughout the day while you are sleeping.
3. Ask for help in class/at lunch. Watch math videos on YouTube or Khan academy.
4. Do math homework every day (worksheet questions, write/rewrite notes, watch videos, explain math concepts, work on problem solving, etc.)
5. Focus during the lesson and during class work time. If you need a break: take some breaths, try a class puzzle, connect with a classmate/teacher, etc.
6. Put my phone away. Phones are designed to be distracting.
7. Learn from mistakes. Mistakes are an opportunity to advance your learning. If you make a mistake, you now know what you didn't know and can go back to that topic to understand it better.

Record of Grades

Unit Tests

Topic	Mark	Percent
1:		
2:		
3:		
4:		
5:		
6:		
7:		
8:		
9:		
10:		

Assignments

Assignment:	Mark	Percent
1:		
2:		
3:		
4:		
5:		
6:		
7:		
8:		
9:		
10:		

What is my percent in math?

Step 1:

(% on Test 1 + % on Test 2 + % on Test 3 + ...) divide by how many tests we have completed = Test average

Step 2:

(% on Assignment 1 + % on Assignment 2 + ...) divided by how many assignments we have completed = assignment average.

Step 3: 0.7 x Quiz average + 0.3 x Assignment Average = Current % in math class.