

# 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 regularly email math updates to all students and parents with quiz dates, assignments, 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](mailto:placewicz_s@surreyschools.ca)) or on TEAMS chat.

## SUPPLIES

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

## TOPICS

- Mathematical Reasoning
- Angle Relationships
- Graphical Analysis
- Linear Inequalities
- Quadratic Functions
- Systems of Equations
- Optimization
- Applications
- Statistics
- Scale Models
- Financial Literacy

## Assessment

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

Quizzes 70%

Assignments 30%

**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 to preview or review topics (ex. 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. 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.
- 7.
- 8.
- 9.
- 10.