



# Preston High School

550 Rose St, Cambridge, Ontario N3H 2E6 ☎ 519-653-2367 ☎ phs.wrdsb.ca

---

## Course Outline: Foundations for College Mathematics • College • MAP 4CI

Prerequisite: Foundations for College Mathematics, Grade 11 (MBF3C) Credit Value: [1]

Ministry Document: The Ontario Curriculum, Grades 11 and 12: Mathematics 2007

---

**Semester: 2**

**Block: C**

**Room: 233**

---

**Teacher:** Z. Rexhepi

**Contact:** (519) 653-2367

**Email:** zekerijah\_rexhepi@wrdsb.ca

**Website:** www.mrrrexhepi.com

---

### Big Ideas:

Students will study concepts related to Mathematical Models, Personal Finance, Geometry and Trigonometry and Data Management.

### Essential Learnings:

Students will have multiple opportunities to demonstrate essential learning. Successful demonstration of **all essential learning** listed below is required to earn the course credit.

---

#### **Mathematical Models**

Students will:

- Evaluate powers with rational exponents, simplify algebraic expressions, and solve exponential equations using various strategies
  - Interpret and compare graphs using different strategies and solve problems by modeling relationships in various ways
  - Understand connections between models (linear, quadratic, exponential) and solve related problems
- 

#### **Personal Finance**

Students will:

- Understand annuities and solve related problems
  - Be able to compare information about renting and owning and solve related problems
  - Understand and design a budget for individuals and families and describe applications of personal finance
- 

#### **Geometry and Trigonometry**

Students will:

- Solve problems involving measurement and geometry
  - Explain the significance of optimal dimensions of 2D and 3D shapes
  - Solve problems using trig ratios, sine and cosine law
- 

#### **Data Management**

Students will:

- Analyze and interpret 2-variable data using various strategies



# Preston High School

550 Rose St, Cambridge, Ontario N3H 2E6 ☎ 519-653-2367 ☎ phs.wrdsb.ca

- Demonstrate an understanding of applications of data management

## Guidelines for Assessment, Evaluation, & Reporting:

It is important for students to develop good personal management skills (such as time management and planning, and communication with teachers). These skills will be reflected in the **learning skills** area of the report card.

Teachers will gather evidence of student learning through observations, conversations, and student-produced work. *To earn this credit, the student will provide evidence of all the essential course learning, with their own work:*

Final evaluation and mark will be based on:

- Seventy percent (70%) of the final mark will come from term work, balanced across all essential learnings, using a variety of assessment tools.
- Thirty percent (30%) will come from final evaluations, balanced across all essential learnings, using a variety of assessment tools.

Report card grades will reflect the student's most consistent level of achievement, with consideration given to more recent evidence.

## Typical evaluation assessment tools and weightings

	Final Weight
Tests, Quizzes, Assignments	70%
Final Evaluations (In class summative & Exam)	30%

1. **Late and Missing Assignments** limit the evidence that teachers need to plan, assess and evaluate student learning. *To earn this credit, the student must provide evidence of all the essential course learning.*
2. **Cheating and Plagiarism:** It is important for students to do their own best work. Most assignments for this class are done within the classroom, observed by the teacher, and this helps to minimize the chances of cheating and plagiarism. In the event that cheating or plagiarism occurs, the following consequences may be implemented, in consultation with administration, depending on the situation:
  - i. The student may be required to redo all or part of the assignment or assessment.
  - ii. The student may be required to complete an alternate assignment or assessment.
  - iii. The student's work may be treated as a missed assignment.

There may also be other consequences that are determined to be appropriate (e.g. detention, suspension, etc.) as per the school's progressive discipline process. Parents/guardians will be informed about the infraction and the consequences. Please refer to your student handbook for more details on these policies and other academic procedures.



# Preston High School

550 Rose St, Cambridge, Ontario N3H 2E6 ☎ 519-653-2367 ☎ [phs.wrdsb.ca](http://phs.wrdsb.ca)

---

**3. Learning Skills:** The Learning Skills and Work Habits section of the provincial report card is an integral part of a student's learning. Students will be assessed in the following areas:

- Collaboration
- Independent Work
- Initiative
- Organization
- Responsibility
- Self-Regulation

The following scoring system is used for Learning Skills:

E → Excellent; G → Good; S → Satisfactory; N → Needs Improvement