

## MATH 10 FOUNDATIONS & PRE-CALCULUS

Welcome to Math 10FP! I look forward to the semester with you! ☺

Math 10FP is an academic class and I expect all students to try their best. Your success in this course will largely be determined by the effort you are willing to put into learning the material.

### EXPECTATIONS:

1. **Show up on time.** Use the bathroom & fountain before class begins.
2. **Come prepared.** Bring all your materials with you, including completed homework.
  - Be in your assigned seat, ready to start class, when the bell rings.
3. **DO YOUR WORK!**
  - Listen carefully and follow directions – my job is to teach you
  - Work quietly without disturbing other students – your job is to learn
  - Participate in group activities to the best of your ability and stay focused!
4. **Respect everyone and everything around you.**
  - People (teachers, students, CEA's, TTOC's) and property
  - Certain language is unacceptable and will not be tolerated
5. **NO food or drinks.** (water with a lid is allowed)
6. **NO CELL PHONES.** The use of cell phones and other devices in class will be restricted to educational purposes, with teacher permission. At all other times cell phones should be OFF AND AWAY.

### REQUIRED MATERIALS:

- Spiral bound notebook to record class notes
- Your iWrite Math 10 Workbook (must be purchased from the office)
- Binder with lined paper, completed assignments, returned quizzes, etc.
- **PENCIL and eraser** (pen is only acceptable for note taking, not practice work)
- Scientific **calculator** – 2-line display is preferable

### ASSESSMENT & GRADES:

\*\* **Effort Grade** – assignment completion, attendance, work habits, organization, preparedness, participation

\*\* **Achievement Grade** – assignments, quizzes, tests, projects and exams

Each day there will be an in-class activity or a more traditional assignment. The assignments will need to be completed on your own time if they are not done in class.

Frequent quizzes will be given. These may or may not count towards your overall grade, but they will always provide feedback on your strengths and weaknesses.

Missed quizzes may be omitted. Missed TESTS will be written the first day a student returns to school.

**MARKS BREAKDOWN:**

Daily Practice Work	Effort Grade
Summative Assessments	80%
FINAL EXAM	20%

Your mark in this course will be a running total (not the average of two terms). This way you will always know what your overall mark is in this class. Mark updates will be available second week (on average), usually after the completion of each unit.

**WHAT WILL I LEARN FROM THIS CLASS???**

I. BIG IDEAS – These ideas cross over all levels of math: generalize through abstract thinking, connections between operations, powers and polynomials, understanding constant rate of change (linear relations), analyzing situations and relationships and the use of proportional reasoning in trigonometry.

II. CURRICULAR COMPETENCIES – These represent the ways we learn, and how we can demonstrate our learning: reasoning, modelling, understanding, solving, communicating, representing, connecting and reflecting.

**III. CONTENT**

1	Prime Factorization	6	Linear Relations (equations & slope)
2	Powers (with integral exponents)	7	Systems of Equations
3	Multiplying Polynomial Expressions	8	Arithmetic Sequences
4	Factoring Polynomial Expressions	9	Primary Trigonometric Ratios
5	Relations & Functions	10	Financial Literacy

For a full version of the BC Math 10FP curriculum please visit the website:

[https://curriculum.gov.bc.ca/sites/curriculum.gov.bc.ca/files/curriculum/mathematics/en\\_mathematics\\_10\\_foundations-of-mathematics-and-pre-calculus\\_elab.pdf](https://curriculum.gov.bc.ca/sites/curriculum.gov.bc.ca/files/curriculum/mathematics/en_mathematics_10_foundations-of-mathematics-and-pre-calculus_elab.pdf)

**OTHER IMPORTANT INFORMATION:**

The pace of this course and or the higher level of thinking that is required can surprise some students. If you need help, get it right away!!! Pay attention in class, ask questions, attempt the practice work, and work hard!

A class website can be found at [www.mallais.weebly.com](http://www.mallais.weebly.com)

On the website I will post copies of the notes (so you can stay caught up if you are absent), a general calendar, upcoming test dates, and other important information.