**Numbers, Relations and Functions 10 Course Outline**

**Teacher**: Miss K. Henderson (kathryn.henderson@nbed.nb.ca) SSHS Room: 326

**Text**: Foundations and Pre-Calculus Mathematics 10 (Replacement cost: $67.50 + tax )

**Course Website:** sugarloaf.nbed.nb.ca/teacher/miss-henderson

**Online Version of Text:**

* pearsoncanada.ca/fpcmath10
* Interactive eBook – Log in Now
* **Username:** NBnrf10 **Password:** mathnrf10

**Marking Scheme:**

* Tests……………….…35% Assignments & Portfolio…….25%
* Quizzes……….……....20% Final Exam…………………..20%

**Pass Mark:** 60% on the final course mark in January

**Materials:**

Binder (dedicated to Math) Loose Leaf

Pencils **Scientific** Calculator

**Classroom Expectations**

* Students are responsible for obtaining any work covered (including homework) during absences.
* **Cell phone policy**: Cell phone will be confiscated for:
	+ Strike 1: Period
	+ Strike 2: Day
	+ Strike 3: Parents/Guardians must retrieve
* **Tardy policy**:
	+ After 3 tardies, the student will make up time with the teacher (at break or lunch). If tardiness continues, the classroom teacher will contact home **and** issue a noon-hour detention. If tardiness persists, the administration will be consulted.
* It is expected that students will spend time on math homework every night: either reviewing the concepts learned or doing assigned work. Each class builds on the previous ones, so do not fall behind.
* Extra help is available by request at lunch time or after school. Extra help may be requested only after the student has attempted all assigned problems, read all of the relevant material, and then tried all problems again. Math is not a passive subject, you cannot learn by watching, only by doing!
* Missed Tests: A signed note will be required for all students missing a test. So that additional class time is not lost by the student, make-up tests will be written during lunch or after school.
* Quiz: If you are absent the day of the quiz unexcused you will receive a grade of zero! If excused, you will be exempt from that quiz.
* **Late Assignments**: You have a three day grace period:
	+ 1st day late you will lose 10%
	+ 2nd day late you will lose 20%
	+ 3rd day late you will lost 30%

 **\*Late assignments will not be accepted once graded and passed back!**

**List of Topics**

**Numbers**

* Factors
	+ Prime Factors
	+ Greatest common factor
	+ Least common multiple
	+ Square roots
	+ Cube roots
* Irrational numbers
* Powers
* Multiplication of polynomials
* Trinomial factoring

 **Relations and Functions**

* Graphing
	+ Intercepts
	+ Domain
	+ Range
* Function vs Relation
* Slope
* Linear Relations
* Equation of a line
* Distance between two points
* Mid-Point of a line segment