Campbell Collegiate Course Syllabus

Course Name: *Foundations 20*	Teacher: *Mrs. Sprungala*
Prerequisites: Foundations and Pre-Calc 10	Teacher Email: alisa.sprungala@rbe.sk.ca
Semester: 1	

Materials Required:

- Notebooks
- Binder
- Calculator: One of the following (can't use - "WriteView", "Textbook Display", "Natural Display/expression." Or graphing calculators):
    - Sharp – EL-510, 520 or 531
    - Texas Instrument – TI 30X
    - Casio – fx260
- Pencils and erasers
- Textbook
- Ruler
- Graph paper

Mark Distribution:

Quizzes, Assignments and Projects:	35%
Chapter Tests:	45%
Midterm 1 – Ch 1-5 (Approx Dec 5):	10%
Final Exam:	10%

Class Late Work Policy:

It is important that students complete assignments in a timely manner as math assignments often build on the skills from previous assignments. If you are not done the assignment the day it is due, you must hand in what you have completed!

Expectations:

Students are expected to attend regularly, to be punctual, and to be prepared for class this includes having all necessary materials as well as completed assignments. Although there will be no homework checks for daily assignments, it is important that students complete the assigned work as
they provide practice and preparation for the quizzes, hand-in assignment and tests. When a student is absent from class, he/she is responsible for the missed work. If a student has a planned absence on the day of a test, he/she is expected to make arrangements in advance of the absence. If the student has not made prior arrangements, he/she will write the test in class upon
return. Students need to monitor daily assignments and upcoming assessments so that they can plan their time accordingly. There is a course calendar posted in the classroom and on-line accessible by my link on the school's website. This calendar lists the topics, assignments and upcoming
assessments.

Classroom Rules
•Arrive on time. Late arrivals are disruptive to learning.
•Be respectful of your classmates.
•Cell phones, i-pods, MP3 players, etc., may NOT be used during class time and MUST be stored in a bag, purse, etc.

Posting Marks: In most circumstances students can expect the marks to be posted in 5 school days for minor evaluation and 10 school days for major evaluation.

Math Help:

I encourage students who are experiencing difficulty to seek extra help. Campbell's Math teachers offer Senior Math Help each day. A schedule is posted in various places including teachers' classroom windows, the school library, and on the Campbell website.

School Website:	School Email:
http://campbellcollegiate.rbe.sk.ca	campbellcollegiate@rbe.sk.ca
School Telephone #:	Mrs. Sprungala's Website:
523-3250	https://sprungalafound20.weebly.com/

"It is hard to fail, but it is worse never to have tried to succeed."
Theodore Roosevelt

Foundations Mathematics 20

The content of Foundations Mathematics 20 consists of the following areas of study. You can expect homework checks, pop quizzes, assignments, hand in assignments, and unit exams for each unit. Beside each unit title there is an estimated time allotment for that material.

Unit 1: Inductive and Deductive Reasoning (8 classes)

- ➢ *What is a Conjecture*
- ➢ *How do we prove conjectures*
- ➢ *What is a proof?*

Unit 2: Properties of Angles and Triangles (6 classes)

- ➢ *Parallel lines and their properties*
- ➢ *Angles in triangles and their properties*
- ➢ *Angles in polygons and their properties*

Unit 3: Acute Triangle Trigonometry (8 classes)

- ➢ *Finding angles using Law of Sines and Cosines*

Unit 4: Oblique Triangle Trigonometry (8 classes)

- ➢ *Ambiguous Case*

Unit 5: Statistical Reasoning (8 classes)

- ➢ *Histograms*
- ➢ *Standard Deviation*
- ➢ *Normal Distribution*
- ➢ *Z-Scores*
- ➢ *Confidence Intervals*

Unit 6: Systems on Linear Inequalities (10 classes)

- ➢ *Graphing Linear Inequalities*
- ➢ *Solving Linear Inequalities*

Unit 7: Quadratic Functions and Equations (12 classes)

- ➢ *Graphing quadratic Functions*
- ➢ *Solving Quadratic Equations*

Unit 8: Proportional Reasoning (9 classes)

- ➢ *Scale Diagrams and their areas of 2D and 3D objects*