



# Enriched Foundations and Pre-Calculus Math 10

## Course Outline 2019/2020



### Instructor's Contact Information:

Mrs. Joni Sundeen

Email: [joni.sundeen@rbe.sk.ca](mailto:joni.sundeen@rbe.sk.ca)

Rm 217

**Course Description:** Foundations of Mathematics and Pre-Calculus 10 (FPC10) is an introductory course offered to prepare students for one of two possible strands of high school Mathematics. This course is a prerequisite for Foundations of Mathematics 20 and Pre-Calculus 20. This course is one that will be more difficult and move at a quicker pace than Mathematics 9. Much of the material has been introduced in Math 9 and is taken more in-depth here at the grade ten level.

Students are encouraged to visit the following website for class information, extra help, math videos & supplementary materials:

**Website:** <https://sundeenmath.weebly.com/> (bookmark this site on your device)

### Materials Needed:

- 3 coil notebook/looseleaf (Graph paper notebook preferred), 3 ring binder, graph paper (if you do not have a graph paper notebook), protractor, ruler, pencils and erasers.
- Scientific Calculator (can't use - "WriteView", "Textbook Display" or "Natural Display/expression."): Here are some options I would recommend.

**TEXAS INSTRUMENTS**



**TI-30XA Scientific Calculator**

- Great for general math, algebra, trigonometry and statistics

19299...TI30XA

**ONLY**

1176



**TI-30XIIS Scientific Calculators**

- Two-line display; convert between fractions and decimals

193578/862871  
(Also available in black and raspberry colours.)

**SAVE \$4**

1473

each after savings

**SHARP**



**Scientific Calculator**

- 160 scientific functions

437262...EL510RNB

**SAVE \$3**

792

after savings



**Scientific Calculator**

- 419 scientific functions
- Fraction calculations
- Dual power

922653...EL520xBWH

**SAVE \$5**

1491

after savings



**Scientific Calculator**

- 272 functions
- Includes hard case

922652...EL510RNB

**SAVE \$4**

996

after savings

## Assessment and Evaluation

Extension Questions and Projects	10%
Concept Checks (41 Concepts)	50%
Comprehensive Test #1 (FP 10.1, 10.2, 10.3)	10%
Comprehensive Test #2 (FP 10.4, 10.5, 10.6)	10%
Comprehensive Test #3 (FP 10.7, 10.8, 10.9, 10.10)	10%
Homework Checks	0%
Final Exam	10%
<b>TOTAL</b>	<b>100%</b>

Please take some time to familiarize yourself with the assessment strategy used by the team of Enriched Foundations 10 teachers in all Enriched Foundations 10 courses. Here are the basics:

### CONCEPT CHECKS

- The course is broken down into 41 concepts (the list of concepts is available on the website and each student will be given a copy). Approximately once a week you will have a quiz on a selection of concepts. This quiz is called a Concept Check.
- Each concept on the quiz is tested using an appropriate number of questions that covers all aspects of the concept. Each concept is marked on a four point rubric (shown to the left).
- The Concept Check Quizzes contain the Foundational material that is necessary to be successful in this class AND in subsequent math classes. We place high value on students understanding these concepts fully and retaining this knowledge. With this in mind, there will always be two in class opportunities to assess each outcome in a Concept Check Quiz.

### 2<sup>nd</sup> ATTEMPTS FOR CONCEPTS:

- Concept Check #1 will test Concepts 1-4. After writing this Concept Check you will receive a mark for each concept out of 4. Concept Check #2 will test concepts 1-4 again and will test concepts 5-7 for the first time. We want you to learn from your mistakes so we give you the second try in order to clear up any problems you had the first time you wrote your quiz. We want you to be able to retain and truly understand the concept rather than memorizing. This means that we will always count your second mark on each concept as the summative mark.

Individual Concept Score	Explanation of Mark
4	<b>The student:</b> ...is an expert, shows all necessary steps in an organized and meaningful way with no errors, may show more than one method, gives excellent explanations to show understanding, gives correct answers in the correct form (simplified, rounded, correct unit, etc.)
3.75	...makes recording errors (Ex: Forgets negative sign, rounds incorrectly, writes the incorrect unit, etc.)
3.5	...makes a minor mistake, is CLOSE to getting the correct solutions (Ex: Calculation error).
3	...understands the concept quite well, shows necessary steps of the work, gives good explanations to show understanding, usually gives answers in the correct form (simplified, rounded, correct unit, etc.) and makes more than one minor mistake or a significant error not related to the concept.
2-2.5	...shows progress in this concept but is misguided in their understanding and still needs help and practice, shows understanding of some steps of the work, can explain some of the answer but the solution process is substantially different from the correct one, still makes several errors in the steps and does not always put the answer in the correct form (simplified, rounded, correct unit, etc.).
1-1.5	...is just beginning to understand this concept or is confusing this concept with another, still needs a lot of help and practice, does not understand how to do the steps of the work without help and cannot explain how to find the answer without help, makes a lot of mistakes and/or the work is incomplete.
0	...does not demonstrate any comprehension of this concept, writes nothing on the page or writes something completely unrelated to the concept.

**NOTE: If you receive a mark less than 2 on a Concept you MUST have completed the *Homework Assignment(s)* for that concept in order to be eligible to have a second attempt at the concept.**

## **COMPREHENSIVE TESTS**

- Rather than Unit Tests, there will be three Comprehensive Tests during the semester. The Comprehensive Tests will focus on applying the skills learned in Concept Check Quizzes. Each Comprehensive Test will be worth 10%

## **EXTENSION PROBLEMS, APPLICATION TASKS & PROJECTS**

- There will be a few take home Extension Problem Assignments, application tasks and projects that correlate with the concepts learned in this course. There will be an increased focus on proper mathematical and algebraic procedure and setup along with an expectation of detailed written explanation of the steps and solution.

### **Mrs. Sundeen's Expectations**

- ❖ Be on time. Be prepared. Do your work. Respect yourself and others.
- ❖ The use of cell phones is NOT allowed in the classroom. Keep your phone in your backpack turned off, locker or keep in the designated cellphone hotel slot. DO NOT set it on your desk. Mrs. Sundeen will give you advance notice if technology is needed in class. If seen using improperly the device will be confiscated.
- ❖ If a student is absent from class, he/she is expected to check with a classmate, or email Mrs. Sundeen and complete the work assigned that day.
- ❖ If a student is absent on the day of an assessment and prior arrangements are not made with me, then the assessment will be written in class on the day of return.
- ❖ This is a difficult course and practice will be a key asset to your success. Any homework questions that are not completed during class time must be completed at home. Homework will be checked for completeness to keep students accountable.

### **Student/Parent Communication**

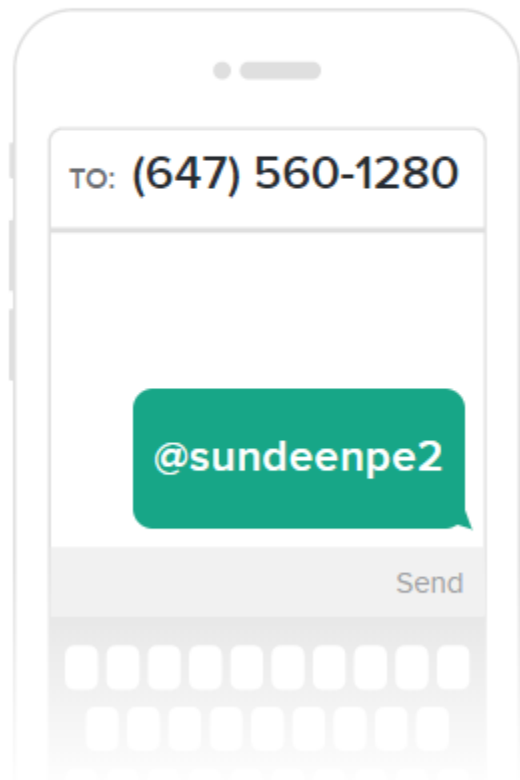
You, as a Regina Public Schools student, have access to your grades online, through a link on the Campbell Collegiate website. Your login information is the same as the login information you use to log onto the school computers. This access is to help you monitor your attendance as well as assignments that may be outstanding. Parent Portal is a tool that helps parents achieve the same goal. The parent login information is available in the main office. Parents can sign up for REMIND as well, to be informed of HW, quizzes and exams. If you have questions or concerns please e-mail Mrs. Sundeen.

## SIGN UP FOR IMPORTANT UPDATES THROUGH REMIND

text @sundeenpe2 to the number (647) 560-1280

They'll receive a welcome text from Remind.

PLEASE USE YOUR  
ACTUAL NAME to sign  
up for remind.



If you already have the APP  
REMIND. Use this code to  
join a class:



**NOTE:** Parents/Guardians may also choose to sign up with my remind. If you choose to sign up as a parent, please include both your name and the name of the students' in your personal details. It helps me keep track of my communications!

**PARENTS/GUARDIANS: Please read over the previous pages and fill in the following page. Only the following page is to be returned to me, the previous pages should be kept by the student and put in their binder.**

**Foundations and Pre-Calc Math 10 Parent/Guardian Form**  
**2019/2020**

I, \_\_\_\_\_ (please print) (student's parent/guardian), have read  
Mrs. Sundeen's **FPCM 10** course outline . I understand  
that \_\_\_\_\_ (student's name) is responsible for  
adhering to the expectations and policies outlined in the course outline.

If I have any questions regarding the course outline or the class, I understand that contact information  
has been provided above and is also available on the Campbell Collegiate website.

I understand that all attendance information, assignment information, and grades are available through  
the Parent and Student Portals.

If Mrs. Sundeen has questions about your son/daughters grades/behavior or just want to brag about  
their excellent work, she should contact (Please PRINT):

*My contact information is:*

*Name(s):* \_\_\_\_\_

*Phone Number(s):* \_\_\_\_\_

*Email Address(es):* \_\_\_\_\_

*I prefer: (Circle the correct one)*

*(daytime or evening)*

*(email or phone)*

Thank you very much for your understanding and participating in your child's  
FPCM 10 class! This will be a successful year with your support!

Mrs. J Sundeen