



Foundations and Pre-Calculus Math 10

Mr. Herlaar: aherlaar@sd61.bc.ca www.mrherlaar.weebly.com

Welcome to Foundations and Pre-Calculus Math 10. In this course students will continue their development of abstract and concrete mathematical principles. The math discussed in this course is the essential for growth in your understanding and knowledge, it is an essential building block for the Math 11 courses ahead. Topics include but are not limited to: Linear and Non-Linear Equations, Graph Theory, Income and Finances, Quadratic Functions, Systems of Equations and Trigonometry.

OBJECTIVES (Curricular Competencies)

- **Use Reasoning and Fluent, Flexible, and Strategic Thinking** to explore mathematical concepts and ideas; using mental mathematics, technology, and contextual experiences **creatively with wonder and curiosity**
- **Apply Flexible and Strategic Approaches** to aid in the problem-solving processes connected contextually to personal and cultural experiences, with **Persistence** and a **Positive Disposition**.
- **Improve Confidence in Mathematical Fluency** by using **Mathematical Vocabulary**, **Taking Risks** in classroom discussions, and **Explaining and Justifying** decisions in a multitude of ways
- **Make Connections** both personally and to day-to-day scenarios, while **Reflecting** on mathematical thinking to help make decisions, and use **Mistakes as Opportunities to Advance Learning**

TEXTBOOK

- Mr. Herlaar will provide students with Workbooks, and extra material

***Calculators are required for this course* Get This One – Calculator (Basic Scientific, Sharp EL-510)**

****Cell phones should not be used as calculators****

EXTRA SUPPORT

- ❖ All notes and workbook questions will be provided at www.mrherlaar.weebly.com
- ❖ I am **available by appointment** before and after school and lunch.
- ❖ Try to establish a Peer Support Group

EVALUATION

- ❖ This semester the class will be evaluated using Standards Based Grades
- ❖ This will involve a lot of self-reflection and honest critique of their learning
- ❖ At the end of each reporting period Standards Marks will be converted into a percentage
- ❖ Included in evaluation are: summative section tests, handouts, and competency reflection packages
- ❖ See the attached rubric for Curricular Learning-Target and Core Competency evaluation
- ❖ Core Competency Reflection and Section Tests for each unit will be used to determine an overall evaluation of meeting both the curricular and core competencies for the course.