



Foundations of Math 9

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Welcome to Foundations of Math 9. In this course, students will work on developing their desire to learn and understand the abstract and concrete mathematical principles. The math discussed in this course is the essential for growth in your understanding and knowledge. Topics include but are not limited to numeracy fundamentals, fractions, exponents, statistics and finance, logic, polynomials, proportions, and graphing.

OBJECTIVES (Curricular Competencies)

- **Use Reasoning and Analyses to Logically** explore mathematical concepts and ideas, using mental mathematics, technology, and contextual experiences
- **Develop a Higher Level of Understanding** to aid in the problem solving processes using multiple strategies to demonstrate and apply both concrete and contextualized mathematical concepts.
- **Improve Computational Fluency and Flexibility** with numbers to extend to **Rational Numbers** operations, and be able to **Communicate** (explain and justify) that knowledge using mathematical vocabulary
- **Make Connections** both personally and to day-to-day scenarios, while reflecting on mathematical thinking to help make decisions

TEXTBOOK

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

Calculators will be required for limited portions of this course

****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** via email or Google Classroom and respond as promptly as possible.
- ❖ Our Inclusive Education Department offers **Learning Support** open to all. See me for details.

EVALUATION

- ❖ This semester the class will be evaluated using Competency Based Grades
- ❖ This will involve a lot of self-reflection and honest critique of your own learning
- ❖ At the end of each reporting period Competency Results are converted into a percentage
- ❖ Included in evaluation are: summative section Check-ins and second attempts
- ❖ See the rubric for Curricular Learning-Target and Core Competency evaluation on the Website
- ❖ Core Competency Reflection and Section Check-Ins for each unit will be used to determine an overall evaluation of meeting both the curricular and core competencies for the course