



Foundations of Mathematics 11

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Welcome to Foundations of Mathematics 11. In this course students will analyze and discover how Mathematics relates directly and indirectly to many aspects of life. The math discussed in this course is a continuation of the topics studied in previous years, with a decreased scope with respect to graph theory. Topics include but are not limited to: angles, trigonometry, proportionality, statistics, linear and non-linear inequalities, game theory, and quadratic functions.

OBJECTIVES

- To introduce you to **abstract thinking** and help develop an **understanding** of various topics
- To give you a **growth of understanding** in mathematical processes both concrete and abstract
- To relate concepts and ideas to **concrete examples and scenarios**
- To help you **build further confidence** in mathematical reasoning and understanding

TEXTBOOK

- There will be no textbook provided for this course.
- Mr. Herlaar will provide students with notes and homework
- All notes and homework is available on Mr. Herlaar's website: www.mrherlaar.weebly.com

Calculators are required for this course

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

EXTRA SUPPORT

- √ Take advantage of **LEARNING OVER LUNCH (LOL)** during lunch hours (11:30am-12:10pm), Monday-Thursday in **Room 207**.
- √ I am **available by appointment** before and after school and lunch.
- √ Information can also be found on my website: www.mrherlaar.weebly.com

EVALUATION

❖ Check for Understanding*	-	40%	*Includes: Tests, Quizzes, Assignments, Projects, Etc.
❖ Cumulative Test	-	10%	
❖ Workbook Check	-	30%	*Students will be allowed 1 re-write for each Unit test*
❖ Final Exam	-	20%	*No re-writes for the Cumulative Test*

Parent/Guardian Name:

Student Name:

Parent/Guardian Signature:

List of Supplies

- Having the tools to stay organized and complete your work is an important first step to success.

The following items will make the next few months easier.

- Pencils
- Erasers
- Ruler
- Binder
- Paper
- Calculator*

*I recommend the SHARP EL-510 – 13.95 at Staples – No need for anything expensive, this will be enough for all of high school