

# COURSE SYLLABUS

## Foundations and Pre-Calc 10

### BIG IDEAS

Algebra allows us to generalize relationships through abstract thinking.

Trigonometry involves using proportional reasoning to solve indirect measurement problems.

Representing and analyzing situations allows us to notice and wonder about relationships.

The meanings of, and connections between, each operation extend to powers and polynomials.

Constant rate of change is an essential attribute of linear relations and has meaning in different representations and contexts.

### INSTRUCTOR

**Ms. Rowley**  
**Ms. Wallisch**

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### GRADING

Each unit is worth 10% or 20%

Within each unit, lesson assignments are worth 5%, Quizzes are 5%, and Unit Tests are 10%

All units must be completed to pass the course.

**Summer 2023 July 5-26**

### UNITS OF STUDY

- **UNIT 1: Prime Factorization And Exponents** 20%
- **UNIT 2: Trigonometry** 10%
- **UNIT 3: Polynomial Operations and Factoring** 20%
- **UNIT 4: Relations and Functions** 20%
- **UNIT 5: Linear Functions and Systems** 20%
- **UNIT 6: Systems of Linear Equations** 10%

### PROCEDURES

- **ATTEND ALL CLASSES**
- Missing more than 2 classes is an automatic withdrawal
- **Rough Outline for our days**
  - 8:30-8:50 Ask homework questions
  - 8:50-10:00 Lesson 1 or Quiz/Test
  - 10:00- 10:10 Break
  - 10:10-11:20 Lesson 2 or Quiz/Test
  - 11:20-11:50 Lunch Break
  - 11:50-1:00 Lesson 3 or Quiz/Test
  - 1:00-1:10 Break
  - 1:10-2:00 Work/Question time
- Most lessons can be found on the website [mrsrowleymath.weebly.com](http://mrsrowleymath.weebly.com)

### REQUIRED MATERIALS

DUOTANG OR BINDER  
NOTEBOOK OR PAPER  
PENCILS and ERASER  
HIGHLIGHTER (optional)  
SCIENTIFIC CALCULATOR (Phones are not permitted during assessments)

### EXTRA HELP

Please email us to setup a time. We will be available most days 30 minutes before and after school.

Instagram: **MathNerdRowley**