

Southern Regional High School

Manahawkin, New Jersey

Course Syllabus

Department: Math

Course: Fundamentals of Algebra

Marking Period 1

Topics/Units to be covered:

- Classroom expectations/grading
- Order of operations
- Integer operations
- Algebraic expressions
- One step equations and inequalities
- Quarterly

Marking Period 2

Topics/Units to be covered:

- Ratio, proportion and percent
- Exponents
- GCF, LCM, prime factorization
- Fraction operations and equations
- Decimal operations and equations
- Quarterly

Marking Period 3

Topics/Units to be covered:

- Multi-step equations & inequalities
- Literal equations
- Introductions to functions
- Graphing linear equations
 - Table of values
 - Slope intercept form
 - Intercepts
- Writing linear equations in slope intercept form
- Quarterly

Marking Period 4

Topics/Units to be covered:

- Scatter plots and trend lines
- Systems of equations by graphing
- Graphing linear inequalities
- Data analysis and probability
- Introduction to non-linear graphing
- Final exam