

Service Learning

Students grades K-8 participate in monthly service learning projects that focus on three areas: community service, environmental service or service to the individual. These age-appropriate activities include visiting the elderly, picking up litter, serving at local food banks and grounds maintenance in the neighborhood.

Overview

How do I know how well my child is doing?

In addition to report cards and progress reports, formal and informal communications are done between parent-child and parent-teacher as needed.

Furthermore, you may expect your child to have homework in math, reading, writing and spelling consistently Monday through Thursday.

You will know how well your child is doing by reviewing these materials.



Learning. Faith. Service.

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St. Agatha School



Middle School
Math

Key Areas of Study

Middle school math is composed of groups working at the following levels:

- Sixth grade Math
- Seventh grade Pre-Algebra
- Eighth grade Pre-Algebra
- Eighth grade Algebra

Sixth Grade

- Master all forms of decimal addition, subtraction, multiplication and division
- Develop number sense
- Introduced to number theory: scientific notation, writing in expanded form are examples
- Develop an understanding of basic algebra including integers, exponents, order of operations and variables
- Collect data and apply statistical analysis to data
- Create, read and interpret a variety of graphs
- Apply consumer math using estimation, decimals and percentages
- Introduced to ratios, rates and proportions



Pre-Algebra

- Review and strengthen algebraic skills related to integers, exponents, order of operations and equations
- Write and solve algebraic expressions, equations, and inequalities
- Use statistics to create and analyze many types of graphs
- Deepen understanding of plane geometry
- Apply ratios, rates, and proportional reasoning
- Use percents for graphing, estimation and applications
- Graph points and lines on the coordinate plane

Algebra

- Review integer operations, order of operations, and exponent rules
- Develop verbal and algebraic models for real world applications
- Solve and graph linear equations and formulas
- Solve and graph linear equalities
- Use statistics to create graphs and coordinate planes
- Solve systems of linear equations
- Use scientific notation, compound interest, and exponential growth to model real world applications
- Solve and graph quadratic equations and inequalities
- Perform all operations with polynomials including factoring
- Use direct and inverse variation
- Develop understanding of real numbers such as square roots, irrational numbers, and the Pythagorean Theorem

