

MIDDLE SCHOOL MATH CURRICULUM

Students at Our Lady of Lourdes School Middle School are grouped according to their math ability. Students tracking to take Algebra 1 in eighth grade begin Pre-Algebra 1 in 6th grade.

Math 6 builds on basic math learned in the elementary grades and prepares students for the future Pre-Algebra and Algebra classes. Topics and areas covered are: addition, subtraction, multiplication and division of whole numbers, decimals and fractions; graphing and statistics; measurement (metric and customary); ratio, proportions and probability; percents; problem solving; geometry; area and volume; operations with positive and negative numbers.

Math 7 (Pre-Algebra 1) is a continuation of Math 6. The topics are intended to prepare the student for Math 8 (Pre-Algebra 2) classes. Topics and areas covered are: numbers and numeration; computation of all operations with whole numbers, decimals, fractions and integers; expressions, equations and inequalities; probability, statistics and graphing; number theory; measurement; geometry; percent, ratios, and proportions; consumer mathematics; perimeter, area, volume and surface area.

The Math 8 (Pre-Algebra 2) classes focus on basic equation solving and working with variables. Through problem-solving and cumulative skill practice, students learn the following: solving equations and inequalities; factors and fractions; integers; rational numbers; ratio, proportion and percent; functions and graphing; statistics and probability; polynomials; applying algebra to geometry; area, volume and surface area.

Middle School Math curriculum (continued)

Eighth grade Algebra 1 is the most advanced math class offered at the middle school level. Students are challenged to interpret word problems, mathematical statements, and symbols. Major topics and areas covered are: inequalities; graphing; expressions and equations; rational numbers: expressions and equations; polynomials; radical expressions and equations; relations and functions; factoring; quadratics.

For a complete Diocesan Math Curriculum visit

http://home.catholicweb.com/dosp_ocsc/index.cfm/NewsItem?id=236713.