

Math 6

Text:	Hake & Saxon (1997). <i>Saxon math 76 3rd Edition</i> , Saxon Publishers: Norman, OK.
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Supplemental Materials:	
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Course Description:	Math 6 is a course designed to challenge students through instruction and design based on mathematical concepts and skills. Students will be introduced to and master simplifying expressions, the order of operations, basic operations of fractions, mixed numbers, decimals, and signed numbers while working with fractional parts of a number, percent, proportion, and ratio word problems, powers, roots, and exponents. Students in this course will be able to use ratios and proportions to solve word problems. Students will use critical thinking skills to write and solve algebraic type problems, simple equations and solve perimeter, area, volume, and surface area problems. Students will be introduced to higher level math components including probability and statistics skills, scientific notation and graphing. Students will be challenged to use their critical thinking skills while working with higher education materials. The integration of faith will be woven into the classroom each day.
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Methods of Evaluation:	Students can be evaluated through tests, quizzes, daily practice sets, homework problem sets, lab grades quarterly exams, semester exams and/or any other form of evaluation instrument the instructor finds applicable to the course.
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Pace of Instruction:	First Semester: Lesson 1 - 80 Second Semester: Lesson 81 - 138
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Course Objectives:	<p>At the end of this course students should be able to:</p> <ol style="list-style-type: none"> 1. To use operations with whole numbers 2. To use a variety of problem solving techniques to solve word problems 3. To use properties of numbers <ol style="list-style-type: none"> 1. To work with variables 2. To identify geometric figures 3. To develop number theory 4. To understand the relationships between decimals, percents, and fractions 5. To use operations with fractions and decimals 6. To measure using both the customary and metric systems 7. To solve simple one and two step equations 8. To use ratios and proportions in solving problems 9. To use formulas in finding area and volume 10. To use operations with Integers 11. To read and construct various types of graphs
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	12. To learn the basic vocabulary of statistics and probability and solve simple problems
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