



**KENOSHA UNIFIED SCHOOL DISTRICT NO. 1
CURRICULUM AND INSTRUCTIONAL SERVICES**

MIDDLE SCHOOL COURSE SYLLABUS

MATHEMATICS

Grade 6

Course Description

Students explore a variety of mathematical topics such as problem solving, fractions, decimals, percents, geometry, measurement, probability, statistics, and algebra. The use of technology and web resources supports student learning.

Relevance

Grade 6 mathematics allows students to deepen their understanding of math. They master fundamental math concepts and develop writing and problem-solving skills necessary for success in Grade 7 mathematics. Students who demonstrate exceptional abilities and meet the requirements based on WKCE and Iowa Algebra Aptitude Test (IAAT) will be placed in Pre-Algebra at Grade 7.

Course Standards

A. Mathematical Processes C. Geometry E. Statistics and Probability
B. Number Relationships D. Measurement F. Algebraic Relationships

Most essential benchmarks may be viewed at: www.kusd.edu.

Lifelong Learning Standards

- Knowledgeable person
- Effective communicator
- Quality producer
- Complex thinker
- Self-directed learner
- Contributing citizen

Lifelong learning benchmarks may be viewed at: www.kusd.edu.

Course Outline

First Quarter

- Chapter 1 – Whole Numbers and Patterns: comparing and ordering whole numbers, estimating, exponents, order of operations, mental math, and patterns and sequences
- Chapter 2 – Algebra: solving equations using variables and expressions.

Second Quarter

- Chapter 3 – Decimals: comparing, ordering, adding and subtracting, multiplying, dividing.
- Chapter 4 – Number Theory and Fractions: understanding fractions.
- Chapter 5.1-5.4 – Fraction Operations: adding and subtracting

Third Quarter

- Chapter 5.6-5.9 – Fraction operations: multiplying and dividing fractions
- Chapter 7 – Proportional Relationships: ratios, proportions, percents
- Chapter 6 – Collecting and Displaying Data: measures of central tendency and data interpretation

- Chapter 12 – Probability

Fourth Quarter

- Chapter 8 – Geometric Relationships: lines and angles; polygons; congruence; transformations
- Chapter 9 – Measurement and Geometry: customary and metric measurement; perimeter; circumference
- Chapter 10 – Measurement: Area and Volume
- Chapter 11 – Integers: if time permits

Board-Approved Instructional Materials

Bennett, Burger, et al., *Middle School Mathematics* Course 1, Holt, 2007 (ISBN 0030385075)

Online book and resources: www.thinkcentral.com Choose Mathematics...Holt Mathematics (user name and password required and provided by teacher)

Free Holt Online resources: www.thinkcentral.com – Enter the Keyword: **MR7parent** in the Go resources box at the bottom of the page

Parents as Partners

Family involvement is an essential element for a student’s success in mathematics. Be positive and support homework, don’t do it for them. Think of yourself as a guide rather than your child’s teacher. You can help by asking questions and listening. You may also help by visiting the online resources and encouraging your child to take advantage of the tutorials, interactive activities, and other online resources listed above. For those without home web access, the Holt One Stop CD is available for check out from your child’s classroom teacher or the middle school library.

Methods of Assessment

KUSD Common Assessments; unit assessments; quizzes; projects

Board-Approved Grading Scale

Excerpts taken from School Board Rule 6452

GRADING SCALE

A+=98-100 percent	B+=86-89 percent	C+=76-79 percent	D+=66-69 percent
A=93-97 percent	B=83-85 percent	C=73-75 percent	D=63-65 percent
A-=90-92 percent	B-=80-82 percent	C-=70-72 percent	D-=60-62 percent
			F=0-59 percent

MAKE-UP WORK

Students submitting work up to ten school days late without prior approval may receive up to two grades lower on the work than they would have received if the work had been submitted on time (i.e., B+ lowered to a D+). Student work submitted after ten school days without prior approval shall not be accepted for credit and shall be recorded with a score of zero.

Upon returning to school after an absence, a student has the responsibility within the number of days equal to the length of the absence or suspension to meet with the teacher to develop a plan for making up missed work, quizzes, and examinations. A truant student has the responsibility on the first day he or she returns to the course/class to meet with the teacher to develop a plan for making up missed work, quizzes, and examinations. Lower grades may not be given for late work due to excused absences, suspension, or truancy unless the work is submitted later than agreed upon deadlines.

See Rule 6452 in its entirety at: www.kusd.edu.