

COURSE EXPECTATIONS
SEVENTH GRADE ACCELERATED MATHEMATICS

I. COURSE SCOPE AND GOALS

A. Course Scope:

This one-year course is designed to increase mathematical fluency in problem solving, logic, reasoning, and effective communication. This course builds on algebraic and geometric relationships, as well as problem solving, communication, reasoning, and connections. It focuses on the concepts of number operations with integers, rational numbers, data analysis, probability, geometry, measurement, patterns, and algebraic concepts. The use of technology, including calculators and computer software, is an integral part of this course. This course fulfills the mathematics requirement for seventh-grade students.

B. Course Goals:

1. To extend understanding of the real number system and its properties to include absolute value, radicals, powers, scientific notation, squares, square roots, order of operations, and estimation and computation with rational and irrational numbers and integers.
2. To compare, order, and translate among fractions, decimals, and percents.
3. To analyze and interpret patterns and relationships using models, tables, charts, graphs, and equations or inequalities.
4. To apply the properties of real numbers when writing and simplifying algebraic expressions.
5. To apply strategies for solving and graphing one and two step linear equations and inequalities.
6. To use algebraic techniques to solve problems including geometric relationships such as the Pythagorean Theorem to find the length of the hypotenuse and legs of right triangles, distance formula, and midpoint formula.
7. To determine the slope of a linear relationship.
8. To identify congruent and similar two-dimensional shapes using ratios and proportional relationships, transformations, sketches, and graphical representations.
9. To measure perimeter, area, volume, surface area, and angles using appropriate units; and solve problems including elapsed time and the degree of accuracy.
10. To use formulas to calculate simple interest, percent of increase and decrease, discounts, and markups, circumference of circles, and the area of polygons.
11. To conduct experiments and compare the experimental and theoretical probability of single, disjoint, and overlapping events and determine the number of possible permutations and combinations of an event.
12. To collect, organize, display, and analyze data using graphical representations including line plots, bar graphs, stem and leaf plots, histograms, scatter plots, and circle graphs.
13. To develop and extend problem solving skills in order to communicate and reason mathematically, and apply previously learned strategies.

II. ASSESSMENTS

A. PREASSESSMENTS

Each student will take a pre-assessment test to determine skill deficiencies and strengths in alignment with the prescribed syllabus.

B. WEEKLY / QUARTERLY ASSESSMENTS

C. POSTASSESSMENTS

Each student will take a post assessment test to determine individual growth in course content, accomplishment of individual growth with regard to performance objective, strengths and weaknesses of the teaching-learning process.

III. BEHAVIORAL POLICIES

A. TARDY

All students are expected to be in class on time. A student is considered tardy when BOTH feet are not in the classroom when the bell begins to ring. Tardy students need to sign the tardy log. They will be reported to the deans to receive their consequences in accordance with the school-wide tardy policy.

B. ACADEMIC DISHONESTY

If students are found guilty of academic dishonesty (cheating), the teacher shall collect the assignment, mark a zero for the work, and notify the parent of the consequence. A second offense of cheating or continued academic dishonesty may result in a notice of required parent conference at which time future consequences will be discussed.

C. RESTROOM

Students will receive two restroom passes pre quarter. Exceptions can be made for an emergency. Each pass is worth 25 extra credit points at the end of the quarter.

D. PROGRESSIVE DISCIPLINE

The classroom citation log will be kept with the purpose of documenting student infractions and will impact upon the citizenship grade. Students will sign and date the citation log.

1. First disruption-Citation and student/teacher conference.
2. Second disruption-Citation, parent contact, and classroom detention.
3. Third disruption-Classroom citation and counselor referral.
4. Fourth disruption-Citation and a dean's referral.
5. Fifth disruption-Citation and a dean's referral.

(This step will continue for each infraction that follows.)

6. Rewards for appropriate behavior:
 - a) Verbal/written praise
 - b) Positive parent contact
 - c) Participation in all group activities

E. CLASSROOM PROCEDURES

1. Be Prepared: Homework, planner, supplies.
2. Be Respectful: Raise hand, wait to be called on, and stand to speak.
3. No food, drinks, or gum in the classroom.
4. Begin warm-up problems when the bell rings.
5. All work must be completed in **PENCIL**.
6. NO WORK, NO CREDIT!!

IV. COURSE INFORMATION

A. COURSE TOPICS AND SEQUENCE

Quarter I

Number Sense, Patterns,
and Algebraic Reasoning
Integers, Rational Numbers,
and Applications
Functions, Equations,
and Inequalities

Quarter III

Data and Statistics
Measurement

Quarter II

Functions, Equations,
and Inequalities
Ratio, Proportion, and Percent
Geometry

Quarter IV

Geometry
Probability

END OF 1ST SEMESTER
MIDTERM EXAM

END OF 2ND SEMESTER
FINAL EXAM

Continuing Skills, Themes, Topics, and Concepts

Calculators	Problem Solving
Estimation	Basic Facts
Graphing in the Coordinate Plane	Vocabulary Development
Writing Across the Curriculum	Career/Occupational Connections

B. ASSIGNMENTS

1. *IN-CLASS EXPECTATIONS:*

- a) Daily Warm-ups: Graded every two weeks.
- b) Vocabulary/Concept Notebook: Graded monthly
- c) Weekly Quizzes
- d) Unit Study Guides and Tests
- e) Semester Exams: The end of each semester.

2. **HOMEWORK:** Students will have homework assigned Monday through Thursday per Bob Miller Middle School policy. Work must be completed in **PENCIL** and **all work must be shown** to receive full credit. Assignments are to be completed and stored in the homework section of the student's math notebook. Homework will be graded the day after it is assigned then collected as a packet with the cover sheet. All assignments will directly relate to the material that has been presented and discussed in class. Students will be given time to begin working on the assignment and receive individualized assistance during class.
3. **ENRICHMENT ACTIVITIES:** "Challenge" problems and enrichment materials will be provided for all students but may be tailored to the exceptional students who are above and below average grade level.
4. **LATE WORK POLICY:** Late work is marked down 25% for the first day late, 50% for the second day late, and no credit is given on the third day.
5. **ABSENT POLICY:** (CCSD Reg. 5113): After any absence, a secondary student is required to initiate contact with the teacher to obtain appropriate makeup work within three (3) days immediately following the absence. Once the contact has been made with the teacher, specific makeup work must be completed and returned to the teacher within a reasonable length of time.

6. **EXTRA CREDIT**

Warm-up Journal page	25 points
Restroom passes	25 points each
Citation Log	25 points – accumulative quarterly
Positive Sub Report	10 points per day

7. **ACROSS THE CURRICULUM ACTIVITIES**

- Writing process: Students will put into practice writing techniques, which they have developed in their English class. Students will be expected to write the solution for problems, take notes, identify vocabulary, and write story problems.
- Technology: Students will be encouraged to use both calculators and computer related technology wherever it is deemed appropriate and complementary in the mathematics curriculum.
- Study Strategies: Various forms of note taking, vocabulary study, and organizational study skills will be used during the course of the year.
- Problem solving: Strategies will be employed throughout the year and related to specific mathematical concepts. Students will solve daily and weekly problems.

C. **OPPORTUNITY PERIOD**

Extra help is available before and after school during opportunity period. It is suggested that the student make prior arrangements with the teacher to ensure that the teacher is available.

D. TEXTBOOK

Each student will receive a copy of the textbook Middle Grade Math, Book 2. The textbook is to be covered and kept at home. If the book is lost or stolen, the replacement cost is \$50. If the book is damaged but usable, a \$15 fine will be assessed.

V. GRADING POLICY

A. LETTER GRADES

Quarter Grades

Tests/ Quizzes

Homework

Warm-ups,

Planner, Notes

Participation

Grading Scale

A = 90% - 100%

B = 80% - 89%

C = 70% - 79%

D = 60% - 69%

F = 59% and below

Semester Grades

Quarter I (III) 40%

Quarter II (IV) 40%

Semester Exam 20%

Grade Reports

- Weekly grades will be posted in the classroom and on Intouch.
- Grade-day reports will be given four times a year, midway through each nine-week reporting period.
- Quarter grades will be given on a report card four times a year, at the end of each nine-week reporting period.
- Semester grades will be given twice during the year.

B. CITIZENSHIP GRADE

The citizenship grade is a reflection of the student's attitude and effort toward achieving his/her personal best.

- O** OUTSTANDING: Students who actively participate, are always prepared, show leadership, receive 0-2 citations, and have 0-2 missing assignments.
- S** SATISFACTORY: Students who generally prepare, frequently participate, does not infringe on the rights of others, receive 3-4 citations, and have 3-4 missing assignments.
- N** NEEDS IMPROVING: Students who frequently are unprepared, interfere with other's learning, do not follow school rules, 5-6 citations, and have 5-6 missing assignments.
- U** UNSATISFACTORY: Students who are habitually unprepared, demonstrate behavior that interferes with other's learning, continually disruptive, receive SEVEN or more citations, and have 7 or more missing assignments.

A student will receive an automatic "U" for academic dishonesty and major school infractions. Serious infractions will result in an immediate parent contact and/or dean's referral.

VI. REQUIRED SUPPLIES

1. Lined paper
2. Graph paper
3. Five (5) notebook dividers to be labeled:
 - Homework
 - Warm-ups
 - Notes/Handouts
 - Tests/Quizzes
 - Misc.
4. A box of 12 colored pencils
5. Two (2) red pens for correcting papers
6. Two (2) pencils with erasers to be with the student at all times
7. Large 'Pink' Eraser or similar
8. A protractor
9. Compass
10. Clear Ruler (English and metric measurements)
11. Scissors
12. Calculator. Texas Instruments TI30* or similar. Exponent functions and ^ function.
13. One box of Kleenex to share with class please!

Thank you for your contribution to our classroom ;)

VII. CONTACT INFORMATION

- A. The **teacher** will be available for student and parent conferences before and after school and can also be reached via email or by telephone. Parent conference appointments must be scheduled through the counseling office.
 - email: jpk269@interact.ccsd.net
 - School Phone: 799-2260
- B. **Intouch**: Grades may be accessed on Intouch via the internet. You will need a password to access Intouch. For more information contact the front office.

Period _____

Please sign and return after reading and discussing the expectations for this class. The class expectations are to be placed behind the "Notes/Handouts" tab in the student's binder.

My signature below verifies that my child and I have read and discussed these expectations for Accelerated Mathematics 7. We understand that parent participation is essential in the education process and that teacher and parent working together can create an optimal learning situation.

Student (Print Name)	Email address
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Student Signature	Date
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Parent/Guardian (Print Name)	Relationship to Student
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Daytime Phone or Cell	Home phone number	Email Address
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Parent/Guardian Signature	Date
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Parent/Guardian (Print Name)	Relationship to Student
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