

Course Description: Math 6

Textbook:

Glencoe Math: Built to the Common Core Course 1: Volume 1

Glencoe Math: Built to the Common Core Course 1: Volume 2

Price to replace text/workbook: \$10.00 Glencoe Mathematics Course/per volume

Course Description:

This course is designed for sixth grade students to incorporate previously learned mathematics concepts in developing new skills and instructional time will focus on four critical areas: (1) connecting ratio and rate to whole number multiplication and division and using concepts of ratio and rate to solve problems; (2) completing understanding of division of fractions and extending the notion of numbers to the system of rational numbers, which includes negative numbers; (3) writing, interpreting, and using expressions and equations; and (4) developing understanding of statistical thinking. The use of technology, manipulatives, and other visual tools will be incorporated into the instructional design. Mathematics is a required course for all sixth grade students.

I. Course Goals:

a. Ratios and Proportional Relationships (RP) - Understand ratio concepts and use ratio reasoning to solve problems.

b. The Number System (NS)

- Apply and extend previous understanding of multiplication and division to divide fractions by fractions.
- Compute fluently with multi-digit numbers and find common factors and multiples.
- Apply and extend previous understanding of numbers to the system of rational numbers.

c. Expressions and Equations (EE)

- Apply and extend previous understanding of arithmetic to algebraic expressions.
- Reason about and solve one-variable equations and inequalities.
- Represent and analyze quantitative relationships between dependent and independent variables.

d. Geometry (G) - Solve real-world and mathematical problems involving area, surface area, and volume.

e. Statistics and Probability (SP)

- Develop understanding of statistical variability.
- Summarize and describe distributions.

f. Standards for Mathematical Practice

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.

III. Course activities

Tests/Quizzes
Warm-Ups

Classroom assignments
Enrichment activities/projects

Note-taking
Homework

IV. Curricular program

The staff at Leavitt Middle School will implement **Glencoe Mathematics**. It is a student-centered curriculum that provides a balanced approach to instruction. Students learn the real-life application of concepts through direct, guided, and investigative activities. It is aligned to the Common Core State Standards, includes a rigorous curriculum and quality formative and summative assessments.

Google Classroom will be an essential component of your child's program. Assignments, lessons and extensions will be available for you and your child to access at home via computer, iPad, smartphone, etc.

V. Evaluation

Summative Assessment:

Tests, quizzes, and assignments given to assess student understanding after practice are the most accurate means of evaluating mastery of standards. **80% of your child's overall grade will be based on these types of summative assessments.**

If a student receives an 80% or below, he or she may attend math lab to retake the assessment. The student has 10 days to retake a test or quiz. If a student retakes a test, the maximum grade that the student can receive is a 90%. A student must prove he/she is prepared for a retake by staying after school in a math lab and correcting errors made on the original test or quiz.

***Note:** Semester exams will not be administered early. Students who are absent may make up their exam on the district approved make-up day.

Formative Assessment: Homework, warm-ups, notes, class assignments and individual/group participation are designed to provide practice and help your child develop an understanding of

the standards. **20% of the student's overall grade will be based on these types of formative assessments.** Although these are a small percentage of the overall grade, they provide the practice and feedback needed to reach mastery.

Students are responsible for documenting homework assignments daily and parents are encouraged to check this on a daily basis. **Work must be shown for full credit** unless otherwise instructed and **must be completed in pencil.**

Criteria for arriving at student grades each quarter:

Summative Assessments: tests, quizzes, unit projects (80%)

Formative Assessments: homework, warm-ups, class assignments (20%)
group work, notes, participation

Semester grades: Quarter 1 – 40%
Quarter 2 – 40%
Semester Exam – 20%

Explanation of student grades:

A 100 – 90% B 89 – 80% C 79 – 70% D 69 – 60% F 59 & below

Late Work:

Late work policy – If a student does not complete an assignment (for reasons other than an absence), he/she will be assigned a make-up work detention on a designated school day from 3:30 to 4:25 EVEN if they turn the assignment in the next school day.

Test retake policy – A student may only retake a test if 1) all assignments have been turned in, and 2) the student has asked for help, clarification, or exhibited evidence of further studying and a further mastery of the subject matter.

Make-up work:

Students are responsible for checking the class calendar/Google classroom and securing any make up work after an absence. Tests and quizzes must be made up after school at math lab. Work marked with an “**Inc**” in Infinite Campus is **missing work or incomplete work**. Work marked with “**ab**” is **absent work**. All absent work will be accepted up to three days from date of return for full credit.

How and when students will be advised of their grades:

- Parents and students are urged to check Infinite Campus on our LMS website weekly.
- Grades will be posted in the classroom each Friday according to student ID.
- Three weeks after the start of a new quarter, you will be notified if your child is receiving a D or an F.
- Unsatisfactory Notices – mailed six weeks after the start of a new quarter.

- Report Cards every quarter.

VI. Citizenship/behavior expectations:

Students will respect the rights of others and accept responsibility for their own behavior and learning. Below is the scale for citizenship.

*Note: Leavitt Middle School wide rules, dress code, hands-off policy, etc. will be enforced at all times.

Outstanding Behavior

- Demonstrates self-control
- Follows directions the first time given; comes to class with proper supplies; listens attentively; ready to start on time
- Works hard, takes initiative; asks for help when needed
- Does not disrupt class or cause distractions
- Frequently goes out of way to help other students
- Actively participates in class discussions

Satisfactory Behavior

- Frequently demonstrates self-control
- Follows directions; comes to class with proper supplies; good listener; frequently asks for help when needed;
- Hardly ever disrupts the class
- Demonstrates a willingness to help other students
- Frequently participates in class discussions

Needs Improvement

- Usually pays attention in class, often distracts or is distracting to other students
- Seldom follows directions the first time given; often distracts or is distracting to other students; listens inconsistently
- Stops distracting others only when reminded repeatedly
- Rarely participates in class discussions

Unsatisfactory Behavior

- Rarely pays attention in class; often distracted or is distracting others
- Does not follow directions; seldom prepared with materials or work; does not listen to adult directions or advice
- Must be personally reminded to focus on classroom activities; seldom asks for help relevant to classroom tasks
- Rarely appears engaged in learning

VII. School-Wide Rules

- a. Follow directions quickly.
- b. Raise your hand for permission to speak.
- c. Raise your hand for permission to leave your seat
- d. Make SMART Choices: Kindness, Leadership, Courage, Invincible Grit, Creativity
- e. Work hard to do your best for your teachers and parents at all times.
- f. Keep your eyes on the target.

VIII. TARDY POLICY – Progressive Steps

- a. 1st Tardy – Warning & Parent Phone Contact
- b. 2nd Tardy – Warning & Parent Phone Contact
- c. 3rd Tardy – Non-TRS RPC
- d. 4th Tardy – After School Detention
- e. 5th Tardy – In-House Suspension (IHS)
- f. 6th Tardy – Required Parent Conference – RPC/Tardy Contract
- g. 7th Tardy – IHS/parent and student meet with the principal

IX. BEHAVIOR - Progressive Discipline

- a. verbal warning
- b. one-on-one conference
- c. phone call home
- d. counselor's referral
- e. dean's referral

X. Supplies needed for this course

- pencils needed every day (NO pens)
- a notebook **and** a folder/section in binder **ONLY** used for math
OR
loose-leaf paper and a binder with a math section

XI. Utilizing technology to learn – At Leavitt, we want to encourage the daily use of technology in and out of the classroom to further enhance the educational experience. As such, Leavitt will be providing students with individual devices in all grades to utilize in class and at home. Students will also be provided with a Google email address to correspond with their teacher and classmates on projects and to turn in assignments. Students may choose to utilize their own electronic tablets, cell phones, laptops, and reading devices for educational purposes. Please be reminded that your student is responsible for the safety of their personal device and must utilize the district's Wi-Fi to ensure their internet safety. All use of these devices will be for educational purposes and must be approved by the individual teacher.

XII. Teacher's hours of availability

The best way to reach me is by e-mail: swansse@nv.ccsd.net

You may also receive reminders from me via the Remind app that is available on both Android and Apple devices. Follow these directions: 1) Open up a text message. 2) Type in 81010 as the phone number. 3) Type "@4ef6hhk" as the message. 4) Send the text, and you will automatically be added to my list of contacts.

To schedule a parent-teacher conference, please contact the counselor's office at 799-4699.

XIII. Math Labs

I am available after school (with the exception of Tuesdays) to provide extra help or if you need to complete a missing assignment/retake an assessment. Students must notify me ahead of time if they will be coming in. A late bus is provided for students if they cannot provide their own transportation. Students must have parent permission. Encourage your child to attend!