



NWMS Mathematics Department Math 7A Syllabus

Course Description: In Grade 7, instruction focuses on four critical areas: (1) developing understanding of and applying proportional relationships; (2) developing understanding of operations with rational numbers and working with expressions and linear equations; (3) solving problems involving scale drawings and informal geometric constructions, and working with two- and three-dimensional shapes to solve problems involving area, surface area, and volume; and (4) drawing inferences about populations based on samples. Additionally, Math 7A (accelerated) will focus deeper on work with expressions and linear equations including work with radicals and integer exponents. Math 7A includes (5) geometry - understanding congruence, similarities and the Pythagorean Theorem.

Course Resources:

- Online Curriculum – Big Ideas Website
- Text: Big Ideas Math Grade 7 Accelerated
 - Online Textbook: Login with Clever using student school email and password
 - Hardcopy Textbook: May be checked out from the NWMS library
- Big Ideas Student Journal
- Other supplemental resources

Course Outline/Instructional Units:

1. Real Numbers: Integers and Rational Numbers (adding & subtracting)
2. Real Numbers: Integers and Rational Numbers (multiplying & dividing)
3. Expressions
4. Equations and Inequalities
5. Ratios and Proportions
6. Percents
7. Probability
8. Statistics
9. Geometric Shapes and Angles
10. Surface Area and Volume
11. Transformations (7A)
12. Angles and Triangles (7A)
13. Graphing and Writing Linear Equations (7A)
14. Exponents and Scientific Notation (7A)
15. Real Numbers and the Pythagorean Theorem (7A)
16. Volume and Similar Solids (7A)

Grade Categories and Weighting

Summative	70%
Formative	30%

Summative:

- Weekly Assessments (10 Points)
- End of Chapter (50 Points)
- Single redo may be requested

Formative:

- Homework (Online via Big Ideas)
 - Due at the end of the day it is assigned
 - Accomplish via Big Ideas Website
 - Students must check answers prior to submission
 - 5 Points each
 - 1 Point deducted for late work
 - Grade on effort not accuracy
- Notes/In-Class Work/other

NWMS Grade Scale

Letter Grade	Percentage
A	93% and above
A-	90% - 92%
B+	88% - 89%
B	83% - 87%
B-	80% - 82%
C+	78% - 79%
C	73% - 77%
C-	70% - 72%
D+	68% - 69%
D	60% - 67%
F	59% and below

Grade Reporting

Students and parents may check grades at any time online through Skyward Family Access.

- Teachers will update grades at least every 2 weeks.

Late Work/Redo Policy

Work assigned in class is important for learning and to determine student progress. Students are expected to complete all major assignments to standard, even if they turn in the work late or need to redo the work.

Late homework will be accepted. Homework can be turned in up until the week after the applicable chapter test. One point will be deducted for late assignments.

In order to redo an assessment, the student must:

1. Complete quiz/test corrections (in different color ink from original work) – in school, open book
2. Students may earn back $\frac{1}{2}$ of the points that they missed with corrections
3. Students may request to redo assessments one time within two weeks of the assessment date

Big Ideas Math Curriculum

The Big Ideas math program offers students many tools to support math learning. Students will be shown how to access support tools online. Students are expected to check their homework answers (they are given three attempts to correctly answer the homework) before they submit their homework for grading. Students also have access to tutorial videos with each homework problem. Students may view their homework assignment status in Big Ideas Assignments tab which indicate their Current, Overdue, and Submitted homework. Students are encouraged to review their submitted homework and review worked out solutions for problems they missed.

Math Notes

Students are expected to take notes in a dedicated math notebook daily. There will be graded notebook checks throughout the school year.

Calculators

Calculator use is not allowed until Chapter 5. In class students will have access to hand help calculators and calculators will be available via Big Ideas for homework.

NWMS Plagiarism Policy

Any student who knowingly turns in any work that has been done by someone other than themselves, and fraudulently represents it as their own, shall be considered to have cheated.