

8th Grade Math Syllabus

Teacher: Ms. Estrada

Email: mestrada@stnorbertschool.org

Course Title: 8th Grade Math

Course Description

This course builds upon students' prior math knowledge while introducing more advanced concepts in algebra, geometry, probability, and problem solving. Emphasis will be placed on developing critical thinking skills, applying math to real-life situations, and preparing students for high school-level mathematics.

Topics of Study

1. Review of Basic Math Skills
2. Adding and Subtracting Rational Numbers
3. Multiplying and Dividing Rational Numbers
4. Algebraic Expressions
5. Equations and Inequalities
6. Ratios and Proportions
7. Percents
8. Probability
9. Geometric Shapes and Angles
10. Surface Area and Volume

Evaluation & Grading

Students will be evaluated based on the following:

- Chapter Tests – Demonstrate mastery of major topics.
- Quizzes/Projects – Assess understanding and application of concepts.
- Homework – Reinforces daily lessons and provides practice.
- Classwork – Participation, effort, and completion of in-class assignments.

Instructional Resources

- Math & You Textbook
- IXL (online practice platform)
- Khan Academy (videos and supplemental practice)

Supplies Needed

- Notebook and folder (or binder) dedicated to math class
- Pencils (all math work must be completed in pencil)
- Whiteboard, Expo markers, and whiteboard eraser
- Looseleaf paper

- Calculator

Expectations

- Come prepared to class each day with required materials.
- Complete all assignments on time.
- Participate actively in class discussions and group work. -
Respect your classmates, teacher, and the learning environment.