

**MATH 8**  
**Course Syllabus**  
**Mr. Brizek**

**Course Description**

This course will focus on the Washington State Mathematics Standards. A central theme in Grade 8 is **algebraic thinking**. Students consolidate their understanding of multiplicative and proportional reasoning and apply these ideas to fundamental concepts of algebra. Techniques for summarizing and analyzing data are further developed and comparison of two data sets with unequal numbers of data elements provides a sophisticated application of proportions. Study of linear functions helps students generalize their understanding of proportions to situations involving linear relationships that are not proportional.

After completing this class, students will be proficient in the 8<sup>th</sup> grade Washington State Mathematics Standards. The K - 8 standards can be found at the following webpage:

[http://www.k12.wa.us/CurriculumInstruct/mathematics/RevisedStandards\\_K-8.aspx](http://www.k12.wa.us/CurriculumInstruct/mathematics/RevisedStandards_K-8.aspx)

A condensed version of the 8<sup>th</sup> grade standards can be found at:

<http://teacherweb.com/WA/LibertyMiddleSchool/MrBrizek/8thGradeMathematicsStandards.pdf>

A printed copy is available upon request.

**Materials**

This course uses the MathScape: Seeing and Thinking Mathematically textbook. This textbook is available online at the following web address:

[www.glencoe.com/sec/math/mathscape/2005/course3/index.php/wa](http://www.glencoe.com/sec/math/mathscape/2005/course3/index.php/wa)

Access Code: A38C8B2403

(Access Code is case sensitive.)

**Students should have a pencil, paper, textbook, math binder, planner, & red correcting pen daily.** Scientific calculators are required to be used in class where appropriate. (Texas Instruments TI-30 is recommended.) Additional materials required at specific times throughout the school year include a protractor and ruler.

## Grading

Standard grading scale:

		93-100	A	90-92	A-
88-89	B+	83-87	B	80-82	B-
78-79	C+	73-77	C	70-72	C-
68-69	D+	60-67	D	0-59	F

Grades will be calculated on the following scale:

15%	Citizenship
20%	Homework, daily work, journaling, vocabulary
65%	Quizzes, tests, & final unit projects

Students successfully completing Math 8 move on to Bridges to Algebra, Algebra 1 Cognitive Tutor, or Algebra 1 in 9<sup>th</sup> grade.

## Academic Dishonesty

Academic Dishonesty in any form is **NOT** tolerated. Acts of academic dishonesty will be documented and will result in loss of grade and parent contact. These disciplinary consequences will be assigned at **ALL** involved parties.

## Homework

Students should expect homework 4-5 days per week. There will be no homework on testing days. Late homework will **not** be accepted.

## Contact Information

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