



# Algebra 2

Mrs. Bobbi Galarno



## Contact Information

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**Course Description:** Algebra is not only a theoretical tool for analyzing and describing mathematical relationships, but it is also a powerful tool for the mathematical modeling and solving of real-world problems. These problems can be found all around us: the workplace, the sciences, technology, engineering and mathematics.

**Course Prerequisites:** successful completion of Algebra 1, and Geometry

**Textbook:** Algebra 2 from Holt, Reinhart and Winston

## Course Objectives

Upon finishing this year's coursework, students will have learned:

- Note-taking strategies
- MME Proficiency Skills
- Mathematical problem solving skills
- Reading comprehension skills
- Mathematics Curriculum Framework: Mathematics Standards
- Writing strategies in mathematics
- Cooperative learning skills
- Speaking and listening skills
- Standardized Test Preparation

## Course Plan

The Algebra 2 Pacing Guide is accessible on the Districts Website - [www.spsd.net](http://www.spsd.net)

TERM	First Semester
1	Chapter 1: Foundations for functions Chapter 2: Linear functions Chapter 3: Linear systems
2	Chapter 4: Matrices Chapter 5: Quadratic Functions Chapter 6: Polynomial Functions Chapter 7: Exponential & Logarithmic functions

Term	<b>Second Semester</b>
<b>3</b>	Chapter 8: Rational and Radical Functions Chapter 9: Properties and Attributes of Functions Chapter 10: Conic Sections Chapter 11: Probability and Statistics
<b>4</b>	Chapter 12: Sequences and Series Chapter 13: Trigonometric Functions Chapter 14: Trigonometric Graphs and Identities

**All Students are graded on the following academic components.**

Grade Categories	Description of the requirements	Graded on a total point system
Assignments & Projects	Book work, Do-Nows, Handouts, writings & Group Work	10 - 30 pts per assignment
Notebook or Binder	Syllabus, Notes, Class Writings, Returned Assignments, Quizzes & Tests	100 - 150 pts per marking period
Tests / Quizzes	Bi-weekly test or quiz BENCHMARK TESTING	20-60 pts. Each
Final Exam	3 - 4 page cumulative test District Final Exams	20 % of semester grade

**Saginaw Public Schools Grading Procedures**

Teacher Option	=	A+	74 - 77.9%	=	C
94 - 100%	=	A	70 - 73.9%	=	C-
90 - 93.9%	=	A-	68 - 69.9%	=	D+
88 - 89.9%	=	B+	64 - 67.9%	=	D
84 - 87.9%	=	B	60 - 63.9%	=	D-
80 - 83.9%	=	B-	0 - 59.9%	=	E
78 - 79.9%	=	C+			

**Directions for calculating semester grades**

Marking period 1 is weighted 40%

Marking period 2 is 40%

Final exam is 20%

You take the percent you received in each area and multiply it by the percentage of the weight it carries. This will give you the weighted average of each area. Then you can add the percentages up to see your overall percentage. if you received an 85% Marking period 1 and a 70% in Marking period 2, a 75% for the final exam, you would have...

$$85\%(.40) + 70\%(.40) + 75\%(.20) = 34 + 28 + 15 = 77\% \text{ overall}$$