

# Algebra 1

**Team: 8-2 Explorer**

**Teacher: Pam Roehling**

Hi! My name is Pam Roehling. I am the math teacher on Team 8-2. Although this is only my fourth year at Nagel, I am entering my 22<sup>nd</sup> year of teaching. My first 18 years were as a part of the Northwest Local School District. I am definitely happier here in the Forest Hills School District.

I earned my BS in mathematics and secondary teaching certificate in 1989 from Muskingum College. I then obtained my MAT in mathematics education in 1997 from Miami University. Since that time I have continued my education through graduate courses and workshops.

I am a self declared math geek. I love mathematics. I see math everywhere in the world today. In addition, I am a person who loves to have fun. I combine these two attributes in my teaching. My goal is turn students onto the study of mathematics.

## Course Schedule:

By the end of this course students will have studied a variety of algebraic concepts. These include expressions, equations, and inequalities. Then we will study types and properties of numbers. Next we will study linear functions and their graphs. From there we connect to systems of equations. At this time, we will review data analysis and probability. Other topics we will explore are exponential functions and quadratic functions. No algebra course is complete without the study of polynomials and factoring. Finally, we will finish the year with radical and rational expressions and equations.

## Required Materials:

- Textbook (Online version: <http://www.classzone.com>)
- 1.5" binder with 5 dividers
- Writing utensils
- Graph paper
- Loose-leaf paper
- Scientific calculator
- Ruler and protractor for home use

## Grade Components:

1. Homework / Classwork (10-20 points) - These may be graded for correctness or effort. Points will vary depending on the complexity of the assignment.
2. Daily Warm-Up Activities (5 points) - Each day students will be doing a daily warm-up. These will be graded on a random basis
3. Investigations (15 points) - Whenever possible we will explore a concept in an investigative or lab setting. The grade will be based on successfully completing the activity.
4. Tests (100 points) / Quizzes (50 points) - These will be announced at least two days in advanced. There will be review sessions the mornings of tests.
5. Projects (50-100 points) - I will try to assign one project per quarter. These projects will be done outside of class and may take from 1-4 weeks to complete.

## Math Expectations:

- Everyone must participate in class activities!
- Homework is vitally important!
- Have a positive attitude! If you think you can – You Can!

## Helpful Hints:

1. Listen
2. Ask
3. Study
4. Try

## Contact Information:

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