

Math 8

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 22nd 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 mathematics concepts. These include sampling and data analysis. Also included are methods of counting, and probability. Next we will study number sense, exponents and powers, and rational numbers. From here we look at algebraic expressions and equations. Then we learn more about proportionality. No math course is complete without geometry (2-d and 3-d) and measurement. We will finish the year looking at linear, quadratic, and exponential functions.

Required Materials:

- Textbook (Must be kept in binders)
- 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 effort or correctness. 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) - Most of the time we will explore a concept through investigations. This grade will be based on participation and successfully completing the investigation.
4. Tests (100 points) / Quizzes (50 points) - These will be announced at least two days in advance. 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

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