# Freedom High School

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*Kelly Manke, Principal*
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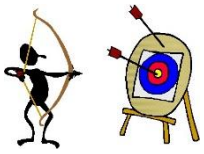
Dear Parent or Guardian,

This year your student is enrolled in Algebra 1, Geometry or Algebra 2. If you have an older student, you may have already noticed that the curriculum looks different than it used to look. We are excited to be implementing Common Core standards and curriculum in our math classes. This means more rigor and more emphasis on communication in the math classroom. We realize that this may not seem the same as what you have seen in the past, or even the way you were taught. The new methods and emphasis on critical thinking are designed to help our students be better prepared to compete in a rapidly-changing world. Encourage your student to ask questions in class, and ask them to explain to you what they are learning. Your support and encouragement of your student as we work makes more of a difference than you know. Help them learn good study and note-taking skills, learn about free tutoring from your teacher, and encourage your student to utilize them. With your support we believe that your student will be successful. We are doing all we can to support your student through these changes, and are looking forward to an awesome year together.

On the other side of this letter find the standards for mathematical practice that are required for success in high school mathematics and for college and career readiness.

FHS Math Department

| Standard for Mathematical Practice | Student Friendly Language |
|---|---|
| 1. Make sense of problems and persevere in solving them.  | • I can try many times to understand and solve a math problem. |
| 2. Reason abstractly and quantitatively.  | • I can think about the math problem in my head, first. |
| 3. Construct viable arguments and critique the reasoning of others.  | • I can make a plan, called a strategy, to solve the problem and discuss other students' strategies too. |
| 4. Model with mathematics.  | • I can use math symbols and numbers to solve the problem. |
| 5. Use appropriate tools strategically.  | • I can use math tools, pictures, drawings, and objects to solve the problem. |
| 6. Attend to precision.  | • I can check to see if my strategy and calculations are correct. |
| 7. Look for and make use of structure  | • I can use what I already know about math to solve the problem. |
| 8. Look for and express regularity in repeated reasoning.  | • I can use a strategy that I used to solve another math problem. |