**PRECALCULUS**

Oakwood Friends School

Megan Sanger

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**Course Description:** This course is meant to provide the necessary content knowledge to be able to succeed in calculus. However, the material learned throughout the year is still important, regardless of whether or not you plan to move on to take calculus next year. The focus of our studies will be on various functions, including rational, exponential, logarithmic, and a large emphasis on trigonometric. We will also explore methods of solving systems of equations and inequalities. Problem solving and modeling will be emphasized so that you will see the relevancy of these functions in your daily lives.

**Class Expectations**: There are three simple rules for behavior in this class…

1. ***Be Respectful*** – This means that you will respect yourself and every other person in the classroom.

2. ***Be Honest*** – Not only should you be academically honest (no cheating), but you should also be honest with yourself. If you do not understand something, do not pretend that you do, ASK FOR HELP!

3. ***Try Your Best*** – With hard work, each and every one of you is capable of success. Rather than claiming that you cannot do something, give every problem your best effort - you will be surprised with the results!

**Class Materials**:

course textbook (Larson-Precalculus, isbn 978-1-4390-4577-0)

notebook and folder OR binder with paper

pencils

graphing calculator (TI 83 or TI 84)

**Grading Policy**:

Tests and Quizzes – 60%

Projects – 15%

Homework – 10%

Classwork/Participation – 10%

Journaling – 5%

***Tests and Quizzes*** – There will be a test at the end of each unit. Additionally, there will be quizzes roughly every week to check your understanding of the material taught that week. Tests will be weighted as two quiz grades.

***Projects*** – There will be one project per trimester. These are meant to further your understanding of the course content and tie math into real world applications.

***Homework*** – Homework will be assigned almost every day. The reason that you do homework is so that you can build important skills necessary for proper understanding of the topics. Homework will be graded for effort and completion and will receive a grade of 0, 50, or 100. If your homework grade is above an 85 at the end of the trimester, your lowest quiz grade will be dropped.

***Classwork/Participation*** – Part of learning requires that you are engaged while you are in the classroom. You need to be productive when working on class assignments and be willing to participate in class discussions.

***Journaling*** – This is an opportunity for you to be able to reflect on the week. I want you to tell me what you learned, liked, did not like, were confused about, or any other additional comments. This will help us to grow and improve each week.

**Additional Information**…

**Absences**: If you missed class, you are responsible for seeing me and figuring out what work you need to make up. We will come up with a reasonable due date for completion of work.

**Late Work**: Late homework will not be accepted. Projects may be submitted late, however, there will be a 5-point loss for each day past the due date.

**Cell Phones** – Cell phones will occasionally be used in class. However, if we are not using them for educational purposes they should not be seen. If you are seen with a cell phone out when you should not be using it, you will be asked to turn it over to me so that I can give it to the Dean of Students.

\*\*Cheating and Plagiarism will NOT be tolerated. If you are caught doing either you will receive a 0 on the assignment. In addition, academic dishonesty is a disciplinary offense that will get you sent to the Judicial Committee.

Class Website – www.oakwoodmathscience.weebly.com

Click on “Megan” at the top of the page and then select precalculus from the drop down tabs. Your assignments will be posted underneath your class period.

Syllabus is subject to changes as seen necessary throughout the school year

**Geometry**

Oakwood Friends School

Megan Sanger

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**Course Description:** Geometry is the study of the size, shape, and position of 2D and 3D figures. Geometry is also a major part of our daily lives - it appears in art, architecture, engineering, astronomy, and many other places! As we study figures, we will practice visualization, measurement, and using definitions and facts to construct proofs. Additionally, this course will help you to build your reasoning, problem solving, and justification skills, which will allow you to think logically in both the classroom and your every day lives!

**Class Expectations**: There are three simple rules for behavior in this class…

1. ***Be Respectful*** – This means that you will respect yourself and every other person in the classroom.

2. ***Be Honest*** – Not only should you be academically honest (no cheating), but you should also be honest with yourself. If you do not understand something, do not pretend that you do, ASK FOR HELP!

3. ***Try Your Best*** – With hard work, each and every one of you is capable of success. Rather than claiming that you cannot do something, give every problem your best effort - you will be surprised with the results!

**Class Materials**:

course textbook (McDougal Littell Geometry - Larson, isbn 978-0-618-59540-2)

notebook and folder OR binder with paper

pencils

a scientific calculator (required model **TI 30XII-S calculator**)

**Grading Policy**:

Tests and Quizzes – 50%

Projects – 25%

Homework – 10%

Classwork/Participation – 10%

Journaling – 5%

***Tests and Quizzes*** – There will be a test at the end of each unit. Additionally, there will be quizzes roughly every week to check your understanding of the material taught that week. Tests will be weighted as two quiz grades.

***Projects*** – There will be two projects per trimester. These are meant to further your understanding of the course content and tie math into real world applications.

***Homework*** – Homework will be assigned almost every day. The reason that you do homework is so that you can build important skills necessary for proper understanding of the topics. Homework will be graded for effort and completion and will receive a grade of 0, 50, or 100. If your homework grade is above an 85 at the end of the trimester, your lowest quiz grade will be dropped.

***Classwork/Participation*** – Part of learning requires that you are engaged while you are in the classroom. You need to be productive when working on class assignments and be willing to participate in class discussions.

***Journaling*** – This is an opportunity for you to be able to reflect on the week. I want you to tell me what you learned, liked, did not like, were confused about, or any other additional comments. This will help us to grow and improve each week.

**Additional Information**…

**Absences**: If you missed class, you are responsible for seeing me and figuring out what work you need to make up. We will come up with a reasonable due date for completion of work.

**Late Work**: Late homework will not be accepted. Projects may be submitted late, however, there will be a 5-point loss for each day past the due date.

**Cell Phones** – Cell phones will occasionally be used in class. However, if we are not using them for educational purposes they should not be seen. If you are seen with a cell phone out when you should not be using it, you will be asked to turn it over to me so that I can give it to the Dean of Students.

\*\*Cheating and Plagiarism will NOT be tolerated. If you are caught doing either you will receive a 0 on the assignment. In addition, academic dishonesty is a disciplinary offense that will get you sent to the Judicial Committee.

Class Website – www.oakwoodmathscience.weebly.com

Click on “Megan” at the top of the page and then select geometry from the drop down tabs. Your assignments will be posted underneath your class period.

Syllabus is subject to changes as seen necessary throughout the school year.

**Health**

Oakwood Friends School

Megan Sanger

msanger@oakwoodfriends.org

**Course Description:** You are at a time in your life where you will face many choices that if you choose inappropriately could lead to impaired health. Some of these choices will revolve around alcohol, tobacco, drug use, sexual behavior, risk-taking behavior, and stress management. This course will help you to learn skills that will allow you to make healthy choices throughout your lifetime. The lectures, discussions, videos, and projects that you will complete will help you to improve your social, physical, sexual, mental, and emotional health.

**Class Expectations**: There are three simple rules for behavior in this class…

1. ***Be Respectful*** – This means that you will respect yourself and every other person in the classroom.

2. ***Be Honest*** – Not only should you be academically honest (no cheating), but you should also be honest with yourself. If you do not understand something, do not pretend that you do, ASK FOR HELP!

3. ***Try Your Best*** – With hard work, each and every one of you is capable of success. Rather than claiming that you cannot do something, give every problem your best effort - you will be surprised with the results!

**Class Materials**:

notebook and folder OR binder with paper

pens or pencils

**Grading Policy**:

Tests and Quizzes – 30%

Projects – 40%

Homework/Classwork – 10%

Participation – 10%

Current Events – 10%

***Tests and Quizzes*** – There will be a quiz at the end of each topic. Additionally, there will be a test after every few topics to assess your understanding of the material. Tests will be weighted as two quiz grades.

***Projects*** – There will be several projects throughout the trimester. These are meant to further your understanding of the course content and gain greater perspective on important issues.

***Homework/Classwork*** – Homework and classwork are assigned for as practice so that you gain proper understanding of the topics. Since they are just for practice, they will be graded for effort and completion. An assignment can receive a grade of 0, 50, or 100. If your homework grade is above an 85 at the end of the trimester, your lowest quiz grade will be dropped.

***Participation*** – Part of learning requires that you are engaged while you are in the classroom. You need to be productive when working on class assignments and be willing to participate in class discussions.

***Current Events*** – You will often be asked to find a news article from the week that relates to any type of health issue. There are endless possibilities for what constitutes as a health related article. As long as you can justify why it relates to the subject of health you can use it. The point of this assignment is for you to see the relevance of health in your own life.

**Additional Information**…

**Absences**: If you missed class, you are responsible for seeing me and figuring out what work you need to make up. We will come up with a reasonable due date for completion of work.

**Late Work**: Late homework will not be accepted. Projects may be submitted late, however, there will be a 5-point loss for each day past the due date.

**Cell Phones** – Cell phones will occasionally be used in class. However, if we are not using them for educational purposes they should not be seen. If you are seen with a cell phone out when you should not be using it, you will be asked to turn it over to me so that I can give it to the Dean of Students.

**Discomfort** - If at any point you encounter course content that makes you feel uncomfortable please come and see me so that we can figure out a solution.

\*\*Cheating and Plagiarism will NOT be tolerated. If you are caught doing either you will receive a 0 on the assignment. In addition, academic dishonesty is a disciplinary offense that will get you sent to the Judicial Committee.

Class Website – www.oakwoodmathscience.weebly.com

Click on “Megan” at the top of the page and then select health from the drop down tabs. Your assignments will be posted underneath your class period.

Syllabus is subject to changes as seen necessary throughout the school year