



SOAR TO NEW HEIGHTS!

-----MATH 8-----

Cal Aero Preserve Academy  
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**Welcome to the 2019-2020 school year at Cal Aero!**

The Math 8 course is based on the California Common Core State Standards in Mathematics, Grade 8. We will utilize the BIG IDEAS MATH textbook. All lessons, activities, and assessments are intended to support students in mastering these standards.

The class itself will involve both individual and group work. Students will develop confidence in logical thinking and develop patience, efficiency and persistence when solving problems. Students will have the opportunity to learn through direct instruction as well as rich task collaborative discovery while learning to communicate effectively with others, advocate and take responsibility for themselves and their learning needs, and reflect upon their progress with teacher support.

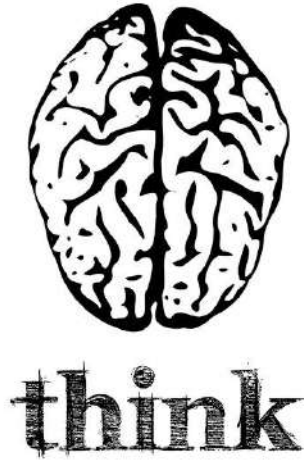
This mathematics course will be an engaging learning experience that will require a student's 100% commitment. This dedication to develop and critically think about mathematics, its value, and its relevance will make this course rewarding for each individual learner.

YOU ARE ALL MATHEMATICIANS! We will travel down the 'runway' together and take flight for a fantastic school year! **AVIATORS SOAR!**

**Math 8 Content Objectives Include:**

- Equations
- Transformations
- Angles and Triangles
- Graphing & Writing Linear Equations
- Systems of Linear Equations
- Functions
- Real Numbers and the Pythagorean Theorem
- Volume and Similar Solids
- Data Analysis and Displays
- Exponents and Scientific Notation

## **EXPECTATIONS FOR STUDENT SUCCESS**



### **1. Be on time and prepared for class.**

These are supplies I suggest/recommend that will help you succeed in this class. Students should have a 1 ½ inch hardcover three ring binder for MATH ONLY and 6 dividers (tabs) to keep and organize their warm-up activities, notes, and graph notebook. We will organize this binder together in class.

In addition to their binder, I recommend that students bring the following materials daily: ♣ sharpened pencils/mechanical pencils (with extra lead) ♣ erasers ♣ record & practice journal ♣ graph paper notebook (8.5 x 11)(NOT spiral bound) ♣ red and blue ball point pens ♣ safety scissors ♣ color pencils or markers ♣ highlighters ♣ scientific calculator ♣ ruler ♣ glue stick ♣ dry erase markers (with eraser) ♣ protractor ♣ agenda/homework planner

\*If you are unable to get any of these materials for any reason, please come see me for assistance.

### **2. Participate positively and be respectful in the classroom.**

Positive participation in class encourages learning and allows the students and teacher to work together. Respect, for all persons and things, in the classroom facilitates learning for all and creates a productive, safe, and dynamic learning environment.

### **3. Complete and turn in your BEST work on all assignments.**

In order to achieve academic success this year, it is crucial for each student to complete his/her homework and classwork daily and to the best of his/her ability. Work should be presented with a complete heading, title, and listing of the assignment. It should be neat, complete and on time. Try your best in everything that you do!

## **CLASSROOM POLICIES**

**ACADEMIC HONESTY:** Students are expected do their own work and keep their eyes on their own papers. Students should be truthful at all times and in all situations. This builds trust within the community where students take responsibility for themselves and their learning. Academic dishonesty is a serious offense and will not be tolerated. Should a student engage in academic dishonesty, the student will receive a zero for the assignment and will be disciplined further according to school policy.

**ATTENDANCE:** Students are expected to be in their seats and ready to learn when the bell rings, otherwise, they will be marked tardy.

**ABSENCES:** When absent, it is the responsibility of the student to check the course website for the assignment missed. Absent students are also encouraged to contact a friend from class to get the notes from class that day and email the teacher to reschedule any missed assessments. The absent student must make up all homework and/or assessments when absent. If you are absent, you have the same number of days you were absent to complete the missed work! Tests must be made up outside of class time by appointment.

**HOMEWORK:** Homework serves to reinforce concepts from class in order to master the content before progressing. Failure to do homework will negatively impact the student's grade and will hinder his/her academic growth.

Homework is assigned Monday - Thursday, and is generally due the day after it is assigned. There may be some long term projects or other assignments at times that students will need to work on over a weekend. Please check your child's agenda and homework each night to ensure that it is completed. Homework will be graded on effort (complete, neat, and on time), as well as accuracy for key problems in a homework check.

Work from the textbook needs to be completed on GRAPH PAPER and include a proper heading, title, and listing of assignment. The student must write down the original problem itself, show work underneath the problem, and box their final answer. Students may and should write on both sides of their graph paper. Homework is to be completed in pencil.

Computer-based homework must be completed to the percentage indicated by the teacher which varies based on the assignment.

Should a student struggle with a question and be unable to start or respond, he/she can still receive full credit on the assignment if he/she **writes a specific question** about what is unclear on that particular problem. This allows the teacher to better understand a particular student's misconceptions and shows that the student is putting forth an effort. Leaving a question completely blank will result in a reduction of points for that assignment.

If you are struggling on homework or with any assignment, please come see me as soon as possible for additional support.

**LATE ASSIGNMENTS:** Junior High Late Policy: Each late assignment will be marked down one (1) letter grade per school day late to the point of being worth 50% of the original assignment value. Any late assignment may not be turned in after the end of the Unit of Study in which it was assigned.

Alternative Assignments will be up to teacher's discretion.

**ELECTRONIC DEVICES:** All electronic devices such as cell phones, iPads, etc., must be off and not visible. Violations are subject to school policy.

## **GRADING**

**Grading Scale:** There will be a standard grading scale for this course that includes pluses and minuses.

- A = 100% - 90% → Standards Exceeded
- B = 89.9% - 80% → Standards Met
- C = 79.9% - 70% → Standards Nearly Met
- D = 69.9% - 60% → Standards Not Met
- F = 59.9% and below → Standards Not Met

### **Weighted Grading Breakdown:**

- **Assessments:** 60%  
→ tests, quizzes, performance tasks, and projects
- **Practice Work:** 40%  
→ homework, classwork, IXL, homework checks

## **RESOURCES**

Extra assistance (outside of class) is always available by request. If you would like even more help, try other resources such as another math teacher, other classmates, or helpful websites.

- **Course Webpage:** Students are expected to visit the course webpage daily. Go to the Cal Aero webpage, click classrooms, click Courtney Field, and finally select your class. The link below will also take you to this webpage.

<https://www.chino.k12.ca.us/Domain/4913>

- **Big Ideas Math Textbook Math 8:** bim.easyaccessmaterials.com  
(Choose Your Program: California → Click on Blue Course 3 Textbook)
- **Khan Academy:** www.khanacademy.org (videos with step-by-step instruction)
- Other tutorial helpful websites: hotmath.com    purplemath.com    mathforum.com
- **Graph Paper:** freegraphpaper.com (print your own graph paper when you need it)

*"Success is peace of mind which is a direct result of self-satisfaction in knowing you made the effort to become the best of which you are capable."*

**--John Wooden**



MAKE YOUR YEAR SPECTACULAR



**AGREEMENT**

**AVIATORS SOAR!**

I, Aviator \_\_\_\_\_,  
understand the course syllabus and agree to abide  
by the format and regulations.

\_\_\_\_\_  
Student Signature (required)

\_\_\_\_\_  
Parent/Guardian Signature (required)

**ATTENTION PARENTS:** Please utilize the [Aeries Parent Portal](#) often so you can stay up to date with your child's grade in the class. Please reach out to me via email at [courtney\\_field@chino.k12.ca.us](mailto:courtney_field@chino.k12.ca.us) if you have any questions or concerns regarding your child's progress.