

Charter Oak High School

IB Math Analysis and Approaches Class Syllabus

Instructor: Mrs. Glenda Bangle
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Welcome

Welcome to Math AA! I am excited about teaching online. There are a variety of different options for me to use as we work through the Math AA curriculum. I am looking forward to meeting each of you and get to know you. Your success in this class is important to me. The key to your success is honest communication with all stakeholders! If you have questions, issues hindering you from being successful in class, or problems accessing material and information, let me know right away. I look forward to working together with you to help you meet the requirements of this class.

Course Description

Mathematics Analysis and Approaches includes five main topics. Topic 1 – Numbers and algebra, Topic 2 – Functions, Topic 3 – Geometry and trigonometry including vectors, Topic 4 – Statistics and probability and Topic 5 – Calculus. An additional internal assessment will be given as an alternative way for the students to demonstrate their understanding of a math topic.

Supplies – Although our class is online, it may be helpful to have some typical school supplies.

1. Paper
2. #2 pencils
3. Colored pens
4. Ruler/straightedge
5. Highlighter
6. Graphing calculator* (TI-84Plus are recommended)

Course Resources

- Technical requirements needed: computer/iPad/Chromebook and internet connection. (Cell phones are NOT recommended)
- Important websites for the class include, but not limited to:
 - a. Google Classroom
 - b. Desmos.com
 - c. DeltaMath.com
 - d. Parent Portal or Student Portal
- Work space: I highly recommend that students prepare and keep an appropriate work space for school so that they can have space to write and have the tools such as paper, pencil, or calculator quickly accessible.
- Links to other resources that you need to participate in the class will be posted on Google Classroom and my website and discussed in class as needed.

Tentative Testing Dates:

There are three IB Mathematics AA HL exams or papers. Those dates will be announced as soon as I hear. The AP Calculus BC test is Tuesday, May 4th at 7:30 am.

Grading

- Homework 10%
- Participation 10%
- Assessments (Tests and quizzes) 60%
- Internal Assessment/Project 10%
- Final Exam/Mock Exam 10%

Homework – 10 %

1. Homework problems will be assigned each class session and due the following class period.
2. Homework will be given a score based on the number of problems completed.
3. A picture or scan of the completed homework will be turned in on Google Classroom by the due date and time. Please make sure the assignment is oriented correctly.
4. Some assignments may be assigned on Deltamath.com. These assignments must be completed online and on time.

Participation – 10%

Live Class Session Engagement – Students are expected to be actively engaged and participate in lectures, small group and class discussions, and activities. If a student is absent, participation will either be NA which means not applicable and the score will not affect the students grade or a zero if the absence is unexcused.

Participation points will be deducted from the student's grade if prompt response to a question is not given. A lack of response tends to indicate the student is not present and participating.

Tests or quizzes – 60%

Assessments include announced and unannounced quizzes and announced tests. In the case of an excused absence, the quiz or test will be made up on the day that the student returns to school. If a student has an extended excused absence, then arrangements will be made upon their return. In the case of an unexcused absence, a student will receive a zero for any missed quiz or test. Quizzes will be given during the period. They are short 15 minute practice problems that will be graded. Tests will be given every few week and will be given during the student support time on Monday.

If a student is absent on the day of a test or a quiz, please remember to clear the absence. In the case of an unexcused absence, a student will receive a zero for any missed assessment.

Internal Assessment – 10 %

Part of this IB class is an internal assessment. It is a written paper about a math related topic. This paper will be submitted to IB for their review and is worth 20% of the students IB score for Math AA HL. All due dates with this extensive project should be maintained.

Final Exam – 10 %

A cumulative final exam will be given at the end of the semester. Second semester this will be mock exams for the IB test.

Google Classroom

Google Classroom is the electronic version of our classroom.

1. Assignments will be posted on Google Classroom.
2. Assignment due dates are to be followed, unless otherwise stated.
3. Assignments are to be turned in on Google Classroom. They should be submitted through Google Classroom and NOT shared directly to me. They should be submitted vertically and if they are hand written the students name should be visible in the top right corner.
4. Grades will be posted on Google Classroom and on Aeries for assignments that are turned into Google Classroom.

Attendance Policy

Students are expected to attend Face-to-Face class time and complete class assignments.

Students will be marked absent if they do not attend class sessions. If a student knows that they will be absent, it would be prudent to let me and the office know in advance. All absences should be cleared through the attendance office **within five (5) school days**. Unexcused absences will result in zeros for the assignment from that class period, quizzes or tests.

Academic Integrity Policy

Academic dishonesty and cheating will not be tolerated, and will result in a zero for that assignment or assessment. Academic dishonesty includes giving or receiving answers on any assignment or assessment. Any unauthorized materials or electronics, including a cell phone, out during a test or any assessments will result in a zero on that assessment. It is expected that the student is taking this course independently. Students may ask others for help or seek help on the internet for assignments, but students need to complete their own work. However, the students should not be using the internet or previous assignments on their quizzes or tests.

“Netiquette” Online Class Expectations

1. Even though this class is online, it is still school. It is expected that you have good behavior during Face-to-Face class time. Try to limit your distractions during this time. Respect one another and our time together.
2. Your video should be on during class time. Make sure that your background is school appropriate. If you need to leave your device for a short time (less than 5 minutes), send me a personal message in chat and turn off your video. Please try to return as quickly as possible. Your video needs to stay on when you are in group breakout rooms. You need to use your first name and last name for your screen name.
3. You should have your microphone on mute unless you are actively participating in class.
4. Cell phones or other devices should not be used during class time, if possible. During class you should be logged on using a computer/iPad/Chromebook.
5. Use the "raise hand" feature if you have a question or wish to speak in class. You may also type questions in the chat.
6. All school rules including dress code and behavior must be followed.

Loss of connection protocol: If you lose your internet connection you should rejoin the meeting as soon as possible. If your internet outage lasts for an extended time please let me know using another form of communication such as sending a text to my email from your phone or calling the school and having them contact or email me. If I lose my connection, just wait and I will

rejoin as soon as possible. For an extended time period I will email you as soon as possible. In this online situation we need to be more flexible and understanding.

Recording Zoom meetings is not permitted

Parents, students, or others in any household are not authorized at any time to record any live classroom sessions or interactions between students and teachers. To do so would violate California Education Code Section 51512, which makes it illegal for any person — including a student — to use an electronic device to record what is happening in a classroom without the consent of the students, teacher, and principal. Recording a school staff member and/or student without consent has the potential to disrupt and impair the teaching process and is prohibited. Any person, other than a pupil, who willfully violates this section may also be guilty of a misdemeanor in violation of California Code, Penal Code 632 and may be subject to legal action. Students who engage in this conduct may be subject to appropriate disciplinary action. Please respect the classroom setting and the privacy rights of students and teachers.

Tech Support Hub – For help with your technology or questions about Aeris, Zoom or Google classroom, check out the technology hub which has lots of helpful items for you.

<https://sites.google.com/cousd.net/techhub/home>.

Important Contacts:

My website: mrsbangle.weebly.com

My email: gbangle@cousd.net

Tutoring: After lunch there is time for student support, tutoring, and conferences. If a student needs tutoring they should email me so we can set up a zoom session for help. These are not necessarily individual sessions but are open to all students.