



Internet Academy Syllabi
MA833O-GEOMETRY 1-2

Course Basics				
Course Code:	CEDARS Code:	Grade Level:	Credit Value:	NCAA Approved:
MA833O	02072	9-12	0.5	YES
Prerequisites:		Course Length:	Course Time:	FWPS Standards (link)
Geometry Semester 1		18 Academic Weeks	56 Minutes per day OR 4 hours 40 minutes each week	https://bit.ly/2o29kWC
Required Materials: Internet access, computer, modern OS/software/web browser, headphones with microphone, webcam preferred, - <i>if not built into computer</i> , Access to a printer/scanner is necessary for written assignments. This course uses the Apex online course textbook. All materials will be included online. However, the course requires notebook, a 3 ring binder, scientific calculator, graph paper, ruler, compass, straightedge and protractor.				
Course Description: Geometry builds upon students' command of geometric relationships and formulating mathematical arguments. Students learn through discovery and application, developing the skills they need to break down complex challenges and demonstrate their knowledge in new situations. Course topics include reasoning, proof, and the creation of sound mathematical arguments; points, lines, and angles; triangles and trigonometry; quadrilaterals and other polygons; circles; congruence, similarity, transformations, and constructions; coordinate geometry; three-dimensional solids; and applications of probability. This course supports all students as they develop computational fluency and deepen conceptual understanding. Students begin each lesson by discovering new concepts through guided instruction, and then confirm their understanding in an interactive, feedback-rich environment. Modeling activities equip students with tools for analyzing a variety of real-world scenarios and mathematical ideas.				

Instructor Information	
Name: Dongsun Ball	Email: dball@fwps.org
Remind App Code: Found on Welcome Page	Virtual Sessions: To be determined



Internet Academy Syllabi

Expected Learning Outcomes	
In this course, students will	<ul style="list-style-type: none">• Experiment with transformations in the plane• Understand congruence in terms of rigid motions• Prove geometric theorems• Make geometric constructions• Understand similarity in terms of similarity transformations• Prove theorems involving similarity.• Understand and apply theorems about circles• Find arc lengths and area of sectors of circles• Translate between the geometric description and the equation for a conic section• Use coordinates to prove simple geometric theorems algebraically• Explain volume formulas and use them to solve problems• Visualize relationships between two-dimensional and three-dimensional objects• Apply geometric concepts in modeling situations• Interpret categorical and Quantitative data• Make inferences and justifying conclusions• Solve real-world problems given geometric information
Standards Alignment	See Course Learning Plan Contract (LPC)
Assessment Methods	<p><i>Formative Assessments:</i> Students take quizzes in Apex as formative assessments. The student will complete formative assessments in the means of quizzes within the online Apex textbook. Students will have up to three attempts to successfully meet the 70% or better score needed to advance to the next activity. Should the student not meet the requirement within the three attempts, the student will notify the teacher and together they will work on assisting the student to meet the requirement and move forward.</p> <p><i>Summative Assessments:</i> Checkpoints in course where students must show their mastery of concepts and skills. These summative assessments will be found within the student's math course within the iA Campus.</p>
Grading Methods	All summative assessments will be graded according to the corresponding rubrics. Only summative assessment scores will calculate toward a student's final grade. Each summative assessment is linked to an FWPS Priority Standard (PS), and each PS is a part of a grading/reporting "bucket." All buckets are equally weighted, and the student's final grade is the average score of all buckets. Students will also receive an informational grade in non-academic areas of student success.
Grading Scale	9-12 A = 90%-100% B = 89%-80% C = 79%-70% F = 69%-0%



Internet Academy Syllabi

Student Expectations	
Weekly Work Completion	Students will submit original work in all classes each week.
Original Work Submissions	Students will only submit their original work. If a student uses outside sources in the creation of their original work, citations must be present in the format requested by their teacher.
Weekly Communication	Students will communicate weekly with their teachers regarding their academic progress.
Functioning Technology/ Required Materials	Students will always have constant and consistent access the functioning hardware, software, technology, and required materials necessary to complete their coursework in all classes.

iA Policies Required for Enrollment	
Academic Integrity	<p>Academic integrity is essential to learning. Students are expected to complete their own work. Copying, plagiarizing, cheating, or other methods of intentional deception are prohibited and could result in the student's removal from the class or iA entirely.</p> <p>IA Policy-</p> <p><u>1st Offense:</u> The student will be contacted by the teacher via phone call, the student will be made aware of the plagiarism and examples of how this can be avoided will be discussed. Direct instruction on plagiarism will be delivered by the teacher. iA Administration and other teachers will be made aware of the plagiarism. The work must be redone without plagiarism.</p> <p><u>2nd Offense:</u> The student and parents will be contacted by the teacher directly and the student will have to complete the plagiarized assignment without plagiarism before moving on in the course. iA Administration will be made aware.</p> <p><u>3rd Offense:</u> The student will be withdrawn from the course or iA depending on the severity and/or frequency of the plagiarism.</p>
WAC (Weekly Academic Contact)	<p>State regulations require students in online programs to have weekly academic contact with each teacher. This occurs by engaging with the curriculum and online instruction, submitting assignments to make progress in learning, and successfully completing courses. Students have multiple opportunities and methods to achieve weekly academic contact and receive teacher assistance and feedback: email, message, live online sessions, assignments, phone, and/or face-to-face meetings by appointment when applicable and in accordance with social distancing guidelines.</p> <p><i>WAC Policy- If a student consistently fails to meet WAC requirements after 20 consecutive days they will be withdrawn and their neighborhood school will be notified to enroll them there. To re-enroll with IA you must have a meeting with an administrator. Above is the policy through December 31st, 2020.</i></p> <p>Beginning in January 2021, in accordance with new state law the iA Weekly Academic Contact policies are changing. To ensure the success of all iA students, Weekly Academic Contact is required to remain enrolled at iA. 1st week missed WAC= Notification of missed WAC that informs students and parents of the consequences of additional missed WAC. (Step 1)</p>



Internet Academy Syllabi

	<p>2nd consecutive or 3rd cumulative week of missed WAC= The student and parent must conference with a designee to discuss the missed contact, administer a “screener”, and develop a data-based interventions plan. (Step 2)</p> <p>5th consecutive OR 6 cumulative of missed WAC= BECCA petition will be filed. (Step 3)</p>
MAP (Monthly Academic Progress)	<p>State law also requires enrolled students to maintain monthly forward progress toward completing classes with success. Students are expected to complete one monthly module of at-standard work or have completed the teacher-prescribed plan as assigned by the certificated teacher of that course. If the assigned at-standard work is submitted, the student will be considered on pace (OP). If the assigned work is not submitted and/or is not at standard, the student will be considered behind pace (BP).</p> <p>An overall Monthly Academic Progress (MAP) score will be emailed to every student and family once a month by the iA Connect teacher to communicate overall progress towards mastery and passing of the courses; law requires BP students to reply with confirmation of the MAP report and iA teachers to document that reply. If students don't immediately reply, teachers are obligated to keep trying for a reply through additional emails or phone calls. Replies must be from the student; parent replies are not sufficient.</p> <p>Students are either On Pace (OP) or Behind Pace (BP). If a student is considered OP (by the individual teachers in individual courses) in 50% or more of their courses, they will be considered OP overall. If a student is considered behind pace (by the individual teachers in individual courses) in more than 50% of their courses they will be considered BP overall. If a student is determined to be BP for consecutive months, the iA Connect teacher will send escalating intervention plans each month by email.</p> <p>BP1 means one month behind pace; intervention typically is a new work pace plan. BP2 means two months behind pace; intervention is typically a new work pace plan and directed teacher contact. BP3 means three months behind pace; course reduction or withdrawal from iA (see below for greater detail). BP4 means complete withdrawal from iA (see below for greater detail). Students withdrawn from iA at BP4 may not re-enroll until the following school year.</p>
Email/Software Agreements	<p>Students agree to maintain constant and consistent access to the technology and software needed to complete their iA courses. If students cannot maintain constant and consistent access to needed technology they will be withdrawn from iA.</p>
Professional Discretion	<p>Teachers reserve the right to make adjustments to the course, content, pacing, and expectations at any time. Students and parents will be notified via email of any changes made after the course has started.</p>