

## MA289O – Math 8

<b>Course Basics</b>			
<b>District Course Code:</b>	<b>Grade Level:</b>	<b>Credit Value:</b>	<b>NCAA Approved:</b>
MA289O	8	N/A	N/A
<b>State Course Code:</b>	<b>Course Length:</b>	<b>Course Time:</b>	<b>FWPS Standards (link)</b>
02038N	36 Academic Weeks (Yearlong Course)	67 Minutes per day OR 5 hours 33 minutes each week	<a href="https://tinyurl.com/grade8-FW-Math-Standards-2019">https://tinyurl.com/grade8-FW-Math-Standards-2019</a>
<b>Prerequisites:</b> Completion of 7 <sup>th</sup> grade math.			
<b>Required Materials:</b> Internet access, computer, (printer, printer paper and ink if needed), modern OS/software/web browser, headphones with microphone- <i>if not built into computer</i> , web cam for virtual sessions, and possible assessments.			
<p><b>Course Description:</b> Math 8 delivers instruction, practice, and review designed to develop computational fluency, deepen conceptual understanding, and apply mathematical practices. In this course, students focus on understanding functions — what they are, how to represent them in different ways, and how to write them to model mathematical and real-world situations. In particular, students investigate linear functions by learning about slope and slope-intercept form. Students' understanding of linear functions is extended to statistics, where they make scatter plots and use linear functions to model data. They solve linear equations and equations involving roots, and explore systems of linear equations. Additional topics include exponents, powers of ten, scientific notation, and irrational numbers. Students learn about transformations, and extend that understanding to an investigation of congruence and similarity. Other geometric concepts explored include the Pythagorean theorem, angle relationships, and volumes of cylinders, cones, and spheres.</p> <p>The two-semester course is arranged in themed units, each with three to five lessons. Each lesson includes a variety of activities such as direct instruction, application of skills, performance tasks, and formative and summative assessments. Students engage with the subject matter in an interactive, feedback-rich environment as they progress through standards-aligned content and demonstrate their learning through computer- and teacher-scored assignments. By constantly honing the ability to apply their knowledge in abstract and real-world scenarios, students build the depth of knowledge and higher-order skills required to demonstrate their mastery when put to the test.</p> <p>This course is aligned with the Common Core State Standards for Mathematics.</p>			

<b>Instructor Information</b>	
<b>Name:</b> Mike Feuling	<b>Email:</b> mfeuling@fwps.org
<b>Phone:</b> 253-945-5840	<b>Virtual Sessions:</b> To Be Scheduled

<b>Expected Learning Outcomes</b>	
<b>In this course, students will</b>	The student will develop computational fluency, deepen conceptual understanding, and apply Common Core's eight mathematical practice skills.

<b>Standards Alignment</b>	See Course Learning Plan Contract (LPC)
<b>Assessment Methods</b>	<p><b>Formative Assessments:</b> 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 to reset the quiz and then together they will work on meeting the requirement and move forward.</p> <p><b>Summative Assessments:</b> The student will complete summative assessments to demonstrate their understanding of the standards presented to them. These assessments will be found within the student's math course within the iA Campus. The student will need to meet the 70% or better requirement. The student and teacher will work together to assist the student in meeting it should the student need more attempts.</p> <p>Summative Assessments will be your way to <b>DEMONSTRATE</b> to your teacher your full understanding of the lessons, skills, and activities that you learned and practiced in the preceding lessons. Your key word here is "demonstrate". Giving just an answer like, 12, doesn't demonstrate or prove to your teacher your full understanding of the skills presented to you. The summative assessments are the grades that will make up your grade. So, each time you go to answer a question in the summative assessment you want to <b>CONVINCE, PROVE, DEMONSTRATE</b> your understanding of how the problem should be answered.</p> <p>The student will finish the semester with the end of semester exam. The semester exam will be completed within the student's math course within the iA Campus to demonstrate understanding of the standards addressed. If there is a semester exam, the student will have only one attempt to successfully meet the requirements.</p>
<b>Grading Methods</b>	All summative assessments will be graded according to the corresponding rubric. Only summative assessment scores will calculate towards a student's final grade. Each summative assessment is linked to a 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.
<b>Grading Scale</b>	<p>Excelling – EX - 100%-90%</p> <p>Meeting – ME - 89%-70%</p> <p>Approaching - AP- 69%-60%</p> <p>Beginning – BE - 0%-59%</p>

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

<b>iA Policies Required for Enrollment</b>
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<b>Academic Integrity</b>	<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><i>AI Policy-1st Offense: The student will be contact 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 and shared. Direct instruction on plagiarism will be delivered by the teacher. iA Administration and other teachers will be made aware of the plagiarism. 2nd Offense: The student and parents will be contact 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. 3rd Offense- The student will be withdrawn from the course or iA depending on the severity of the plagiarism and the frequency that it is happening in other courses.</i></p>
<b>WAC (Weekly Academic Contact)</b>	<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.</p> <p>1st week missed WAC= Notification of missed WAC that informs students and parents of the consequences of additional missed WAC. (Step 1)</p> <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>
<b>MAP (Monthly Academic Progress)</b>	<p>Washington state law requires that students receive a monthly academic progress report and that students respond to all MAP reports they receive. MAP reports are emailed monthly to their Genius Message account and students must reply through the Genius system to EACH MAP report their receive. Students earn an academic progress mark each month for each class based on their progress as compared to their individual Learning Plan Contract and the course completion date. Students earn OP if they are on pace with their LPC/course pacing or BP if they are behind the pace of their LPC/course pacing. BP marks involve communication with the parent/guardian and an intervention plan to give the student additional opportunities to get back on pace toward successful course completion. Multiple probation reports may result in withdrawal from the course or school.</p> <p><i>MAP Policy- If a student fails to reply to the MAP report within 2 weeks of receiving it, the student will be blocked from that class until they contact their teacher directly and show proof that they have replied to MAP.</i></p>
<b>Email/Software Agreements</b>	<p>Students agree to maintain constant and consistent access to the technology and software needed to complete their iA courses. If the student cannot maintain constant and consistent access to needed technology they will be withdrawn from iA.</p>
<b>Professional Discretion</b>	<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>