

MA 283O_Math 7

Course Basics				
Course Code:	CEDARS Code:	Grade Level:	Credit Value:	NCAA Approved:
MA283O-YR	O2037N	7	N/A	N/A
Prerequisites:		Course Length:	Course Time:	FWPS Standards (link)
6th grade Math		36 Academic Weeks	56 Minutes per day OR 4 hours 40 minutes each week	https://www.fwps.org/cms/lib/WA01919399/Centricity/domain/796/6th-12th-grades/math/7th-Grade-Math-Priority-Standards-PS2.pdf

Required Materials: Internet access, computer, printer, printer paper and ink, modern OS/software/web browser, headphones with microphone- *if not built into computer*

- 3-ring binder with subject dividers
- Loose leaf paper
- Math journal (spiral or composition notebook)
- Basic school supplies: pencils, erasers, scissors, glue, colored pencils

Please note: The materials listed above are suggestions. Also, some lessons may require everyday household materials. Please feel free to substitute and supplement materials as needed. If you have any difficulty locating something please let me know.

Course Description: This is a year-long course based on the seventh-grade mathematics priority standards for the Federal Way School District. Students access lessons in their online text, Apex. They will take formative assessments in Apex as well. Then they return to the main iA course page to show what they have learned in a summative assessment. There will also be weekly opportunities to meet in an online classroom with the teacher and other students and practice the mathematical concepts. For some concepts there are extra resources or videos in the course..

Instructor Information	
Name: Roberta Noorda	Email: rnoorda@fwps.org
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Expected Learning Outcomes	
In this course, students will	The student will develop computational fluency, deepen conceptual understanding, and

apply Common Core's eight mathematical practice skills.

Semester 1 (Units 1-5)

Unit 1:

- Compute unit rates that are ratios of fractions measured in different units.
- Compute unit rates that are ratios of fractions measured in like units.
- Compute a unit rate, and use it to solve a real-world problem.

Unit 2:

- Identify situations where opposite quantities combine to make 0.
- Show that two opposite numbers have a sum of 0
- Know that $p + q$ is located $|q|$ units from p on a number line, either in the positive direction (right) or in the negative direction (left), depending on the sign of q .
- Use a number line to add two rational numbers in a real-world context, and interpret the sum.

Unit 3:

- Know the sign rules for multiplication of signed numbers.
- Find products of integers.
- Use products of integers to solve real-world problems.
- Write problems to model products of rational numbers.

Unit 4:

- Apply properties of operations to add and subtract linear expressions with rational coefficients.
- Apply properties of operations to factor and expand linear expressions with rational coefficients.
- Explain how different forms of an expression can help clarify a real-world problem.

Unit 5:

Semester Wrap-up

Semester Two:(Units 6-10)

Unit 6:

- Use a scale drawing to compute the actual length of an object.
- Use a scale drawing to compute the actual area of an object.
- Reproduce a scale drawing using a different scale.

Unit 7:

- Use the circumference formula to find the circumference of a circle.
- Use the area formula to find the area of a circle.
- Explain how the circumference formula leads to the formula for the area of a circle.

Unit 8:

- Identify populations and samples.
- Decide whether a sample is likely to be representative of a population by determining whether it is a random sample.
- Use data from a random sample to make a prediction or estimate a mean.
- Given multiple samples of the same size, give a qualitative estimate of the variation in an estimation or prediction.

Unit 9:

- Understand that the probability of an event is a number between 0 and 1, where 0 means the event is impossible, and 1 means the event is certain.
- Describe an event as unlikely, likely, or neither likely nor unlikely.
- Approximate the probability of an event by using data about its relative frequency.
- Approximate the relative frequency of an event given its probability.

Unit 10:

Semester Wrap Up

Standards Alignment	See Course Learning Plan Contract (LPC)
Assessment Methods	Formative Assessments: Students take quizzes in Apex as formative assessments. Summative Assessments: There are weekly checkpoints in the course where students must show all thinking and work on various concepts. There are also Unit tests in Apex at the end of each unit that are counted towards the students grade.
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."
Grading Scale	Excelling (EX)= 90%-100% Meeting (ME)= 70%-89% Approaching (AP)= 60%-69% Beginning (BE)= 0%-59%

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 to 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><i>AI Policy-1st Offense: 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 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 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. 3rd Offense- The student will be blocked from the course until the student and parents meet with the teacher and iA Administration to discuss iA Academic Integrity policy. 4th Offense- The student will be withdrawn from the course or iA depending on the severity of the plagiarism and the frequency with which it is happening in other courses.</i></p>
WAC	State regulations require students in online programs to have weekly academic contact with

<p>(Weekly Academic Contact)</p>	<p>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>
<p>MAP (Monthly Academic Progress)</p>	<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 they 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>
<p>Email/Software Agreements</p>	<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>
<p>Professional Discretion</p>	<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>