

Course Syllabus Report



MA141O Math 4

Meets Graduation Requirements: No

Details

Description

Today's mathematics requires more than memorization of facts and formulas. It calls for students to be able to understand mathematical reasoning, to use multiple methods while developing number sense, and to develop a variety of problem-solving strategies. All of this occurs within a growth mindset that builds on the belief that all students are able to achieve in mathematics, and to find joy in its application.

Ale Course Essential Learnings:

In this course, students will be expected to learn about numbers and operations, including addition, subtraction, multiplication, division, and Algebraic Thinking. They also will be expected to learn about Multi-digit operations and measurement, Fractions, Decimals, Geometry and Measurement.

Default Ale Certificated Teacher: Jodie Davis

SIS Course Code: MA141O

Ale Course is Active: 1

Ale Course Grading Scale: Excelling – EX - 3.50-4.00 Meeting – ME - 2.75-3.49 Approaching - AP- 2.00-2.74 Beginning – BE - 1.99 or below

Ale Course is Parent Template: 0

District Approved Curriculum Name: Ready Math

Ale Course Available Credits: NA

State Course Codes: MISC0007 (Elementary Curriculum)

Ale Course Prerequisites:

Ale Course Type: NCAA n/a

Ale Course Texts: Ready Math Books Volume 1 & 2

State Subject Area: Mathematics

Ale Course Additional Resources: iReady Khan Academy Legends of Learning

Instructional Materials needed: 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 If students cannot maintain constant and consistent access to needed technology, they will be withdrawn from iA.

Average Number Of Hours Of Study Per Week: 10.00

Syllabus

Ale Course Syllabus:

Our Math program is structured to provide mastery of skills for all our 4th Grade students. Our program is standards-based and covers the following concepts: Number and Operations, Algebra and Algebraic Thinking, Measurement and Data and Geometry. The content of the lessons is mastered by integrated practice and assessments. Students will be engaged in activities and lessons practice. Assessments are weekly and unit tests every two months. We will use the Ready Classroom Mathematics Books (Volume 1 & 2). Students will be issued the books at the beginning of the school year. They do not need to be returned. Students should attend weekly zoom sessions and contact the teacher for support as needed. We will communicate regularly through Canvas emails or other Internet Academy tools. Students will receive a Monthly Academic Progress (MAP) report which indicates whether they are on pace (OP) or behind pace (BP) with completing course work. The monthly MAP is delivered by Canvas email.

Formative assessments do not count toward the final grade, but are necessary for the learning process, teacher feedback, and providing practice for the skills taught.

All summative assessments will be graded according to the corresponding rubric or teacher directions. Only summative assessment scores will calculate towards a student's final grade. Each summative assessment is linked to a FWPS Priority Standard (PS).

Excelling - EX = 100%-90%

Meeting - ME = 89%-70%

Approaching - AP = 69%-60%

Beginning - BE = 59%-0%

Objectives

Ale Course Objectives:

Students develop number sense and use numbers and number relationship in problem solving situations and communicate the reasoning used in solving these problems.

Ale Course Standards:

Course is aligned with current Federal Way Public Schools Priority Standards and Washington state standards.

These new standards build on the best of high-quality math standards from states across the country. They also draw on the most important international models for mathematical practice, as well as research and input from numerous sources, including state departments of education, scholars, assessment developers, professional organizations, educators, parents and students, and members of the public.

https://www.fwps.org/cms/lib/WA01919399/Centricity/domain/796/2021_standards/elem_ela/elem_math/Fourth%20Grade%20Math%20Reporting%20Standards.pdf

Ale Course Learning Requirements:

Weekly Work Completion: Scholars will submit original work in all classes each week.

Original Work Submissions: Scholars will only submit their original work. If a scholar uses outside sources in the creation of their original work, citations must be present in the format requested by their teacher.

Weekly Communication: Scholars will communicate weekly with their teachers regarding their academic progress.

Functioning Technology/Required Materials: Scholars will always have constant and consistent access to the functioning hardware, software, technology, and required materials necessary to complete their coursework in all classes.

Academic Integrity: Academic integrity is essential to learning. scholars are expected to complete their own work. Copying, plagiarizing, cheating, or other methods of intentional deception are prohibited and could result in the scholar's removal from the class or iA entirely.

IA Policy 1st Offense: The scholar will be contacted by the teacher via phone call, the scholar 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.

2nd Offense: The scholar and parents will be contacted by the teacher directly and the scholar will have to complete the plagiarized assignment without plagiarism before moving on in the course. iA Administration will be made aware.

3rd Offense: The scholar will be withdrawn from the course or iA depending on the severity and/or frequency of the plagiarism.

WAC (Weekly Academic Contact): State regulations require scholars 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. Scholars 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. In accordance with new state law the iA Weekly Academic Contact policies are changing. To ensure the success of all iA scholars, Weekly Academic Contact is required to remain enrolled at iA.

1st week missed WAC= Notification of missed WAC that informs scholars and parents of the consequences of additional missed WAC.

(Step 1)

2nd consecutive or 3rd cumulative week of missed WAC= The scholar

and parent must conference with a designee to discuss the missed contact, administer a “screener”, and develop a data-based interventions plan. (Step 2)
5th consecutive OR 6 cumulative of missed WAC= BECCA petition will be filed. (Step 3)

Ale Course Academic Goals:

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.

Grade Level:

Standard Selections:

- Use the four operations to solve word problems involving distances, intervals of time, liquid volumes, masses of objects, and money, including problems involving simple fractions or decimals, and problems that require expressing measurements given in a larger unit in terms of a smaller unit. Represent measurement quantities using diagrams such as number line diagrams that feature a measurement scale.
- Apply the area and perimeter formulas for rectangles in real world and mathematical problems.
- Make a line plot to display a data set of measurements in fractions of a unit ($\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{8}$). Solve problems involving addition and subtraction of fractions by using information presented in line plots.
- Recognize angles as geometric shapes that are formed wherever two rays share a common endpoint, and understand concepts of angle measurement:
- An angle is measured with reference to a circle with its center at the common endpoint of the rays, by considering the fraction of the circular arc between the points where the two rays intersect the circle. An angle that turns through $\frac{1}{360}$ of a circle is called a "one-degree angle," and can be used to measure angles.
- An angle that turns through n one-degree angles is said to have an angle measure of n degrees.
- Measure angles in whole-number degrees using a protractor. Sketch angles of specified measure.
- Recognize angle measure as additive. When an angle is decomposed into non-overlapping parts, the angle measure of the whole is the sum of the angle measures of the parts. Solve addition and subtraction problems to find unknown angles on a diagram in real world and mathematical problems, e.g., by using an equation with a symbol for the unknown angle measure.
- Draw points, lines, line segments, rays, angles (right, acute, obtuse), and perpendicular and parallel lines. Identify these in two-dimensional figures.
- Classify two-dimensional figures based on the presence or absence of parallel or perpendicular lines, or the presence or absence of angles of a specified size. Recognize right triangles as a category, and identify right triangles.

Activities

Ale Course Learning Activities:

Activity Selections

- Text Books and/or Work Books.
- Discussion.
- Journaling.
- Skill Drills.

Evaluation

Ale Course Evaluation Methods:

Monthly Progress Review (MPR)

Each month teachers decide whether a scholar is making Satisfactory or Unsatisfactory progress in each course. Then the homeroom/advisory teacher will determine if scholar is overall Satisfactory or Unsatisfactory for the month.

Secondary (6-12) - to be overall SATISFACTORY for the month, a scholar must be passing half or more of their courses with a 70% or better grade (9-12 letter grade of A, B or C; 6-8 grade of EX or ME)

Elementary - to be SATISFACTORY, a scholar must score at least 70% or above with 75% assignment submission in 4 core classes (ELA, SCI, SS, Math)

If a scholar has Unsatisfactory Progress for the month the advisor or homeroom teacher will create an intervention plan communicated in the ALE App.

Three consecutive months of Unsatisfactory Progress will result in a course reduction - which may affect graduation for high school scholars.

Four consecutive months of Unsatisfactory progress will result in complete withdrawal from iA. Scholars withdrawn from iA for Unsatisfactory progress may not re-enroll until the following school year.

Timelines:

September Timeline:

Complete all lessons and assignments in the September module on your "modules" page in Canvas.

October Timeline:

Complete all lessons and assignments in the October module on your "modules" page in Canvas.

November Timeline:

Complete all lessons and assignments in the November module on your "modules" page in Canvas.

December Timeline:

Complete all lessons and assignments in the December module on your "modules" page in Canvas.

January Timeline:

Complete all lessons and assignments in the January module on your "modules" page in Canvas.

February Timeline:

Complete all lessons and assignments in the February module on your "modules" page in Canvas.

March Timeline:

Complete all lessons and assignments in the March module on your "modules" page in Canvas.

April Timeline:

Complete all lessons and assignments in the April module on your "modules" page in Canvas.

May Timeline:

Complete all lessons and assignments in the May module on your "modules" page in Canvas.

June Timeline:

Complete all lessons and assignments in the June module on your "modules" page in Canvas.