Mt. Everest Academy

SUBSIDIARY COURSE AGREEMENT AND SYLLABUS

Course: Common Core Math 7 **Course Number: 4134**
Subject Teacher: Laurel Rice **Email: lrice@sandi.net**

DESCRIPTION OF SEMESTER COURSE

This course uses the Common Core Standards for Mathematics to continue students' preparation toward high school mathematics. Instruction focuses on (1) developing an understanding of proportional relationships and their applications; (2) developing an understanding of operations with rational numbers and working with expressions and linear equations; (3) solving problems involving scale drawings and informal geometric constructions, and working with two- and three-dimensional shapes to solve problems involving area, surface area, and volume; (4) drawing inferences about populations based on samples. Students apply the concepts they have learned in previous grades to increasingly complex problems and situations that model real-world math challenges.

OBJECTIVES AND METHODS OF STUDY

Each month, students in this course must complete the following:

1. Attend weekly in-person classes.
2. Read and study each assigned section in accordance with the pacing guide on the cover sheet.
3. Complete the problems assigned on the cover sheet for each section.
4. Check answers to problems against the solutions provided in the text and by the teacher.
5. Have a parent/guardian carefully review and grade all student work before submitting it.
6. Complete periodic quizzes and a monthly test as directed by the teacher. Monthly exams will assess knowledge of the current month's critical concepts, as well as retention of content studied in previous months (new material plus review questions).
7. Complete online assignments as directed by the teacher on the cover sheet.
8. Complete any other assignments as directed by the teacher on the cover sheet.

RESOURCES

- **Textbook:** *Big Ideas Math Course 2: A Common Core Curriculum, CA*, Big Ideas Learning, 2015
- **Online Textbook Companion**: http://bigideasmath.com
- ***Amplify Desmos Math***, 2024, Amplify
- **Delta Math:** https://www.deltamath.com/
- **Ms. Rice's Course Website:** https://sites.google.com/sandi.net/mea-ms-rice/home
- **Google Classroom:** https://classroom.google.com/
- **Edpuzzle:** https://edpuzzle.com/
- **Weekly In-Person Classes:** See the class schedule posted by the school.
- **Math Help:** See the course website for current schedule (times subject to change).
- **PALS Peer Tutoring:** See the class schedule posted by the school.

CRITICAL CONCEPTS PRACTICED AND COMMON CORE STATE STANDARDS (CCSS) ADDRESSED

MONTH	CRITICAL CONCEPTS (CONTENT FOCUS)	COMMON CORE STATE STANDARDS
Month 1	Signed Numbers and Absolute Value Addition and Subtraction of Rational Numbers	7.NS.1a-d, 7.NS.2a-d, 7.NS.3
Month 2	Multiplication and Division of Rational Numbers Algebraic Expressions and Linear Equations	7.NS.2a-d, 7.NS.3, 7.EE.1, 7.EE.2, 7.EE.4a
Month 3	Inequalities Proportional Relationships	7.EE.4b, 7.RP.1, 7.RP.2a-d, 7.RP.3
Month 4	Ratios and Proportions Percents and Decimals	7.RP.2a-d, 7.RP.3, 7.EE.3
Month 5	Converting Fractions, Decimals, and Percents	7.NS.2d, 7.RP.3, 7.EE.3
Month 6	Simple Interest Analyzing Geometric Figures Angle Relationships Geometric Constructions and Scale Drawings	7.RP.3, 7.G.1, 7.G.2, 7.G.3, 7.G.5
Month 7	Circles Area and Surface Area	7.G.4, 7.G.6
Month 8	Surface Area and Volume Simple Probability Models	7.G.3, 7.G.4, 7.G.6, 7.SP.5, 7.SP.7a
Month 9	Probability of Compound Events Representative Samples Comparing Distributions	7.SP.1, 7.SP.2, 7.SP.3, 7.SP.4, 7.SP.5 7.SP.6, 7.SP.7a-b, 7.SP.8a-c
Month 10	Review and Cumulative Final Exam	All standards from the course

STANDARDS FOR MATHEMATICAL PRACTICE

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.

EVALUATION CRITERIA AND METHODS

1. Attendance credit for each month will be based on submission of monthly work by the due dates listed on assignment agreement.
2. Work submitted after the due date cannot earn full credit unless prior authorization was given. Work submitted past the grading period and up to one (1) academic month late will receive a 20% grade reduction. Work that is more than one academic work month late will not be accepted at all.
3. Citizenship grades will be evaluated against the MEA Citizenship Rubric posted on the school website.
4. Academic grades will be based on the quality and quantity of work submitted on time according to directions and expectations above.
    - Homework: 40% of total course grade
    - Monthly Tests: 60% of total course grade
5. In keeping with SDUSD procedure #5121 the following grades will be used:

"A" = Superior achievement.
"B" = Above average achievement.
"C" = Satisfactory achievement.
"D" = Below average achievement.
"F" = Failure (credit not granted).
"I" = Incomplete.
"IP" = In Progress.
"NC" = No Credit

ACADEMIC HONESTY

In all academic work, the ideas and contributions of others must be appropriately acknowledged and work that is presented as original must be, in fact, original. Copying work created by an AI-content generator (such as ChatGPT) and turning it in without proper attribution or authorization is a form of academic dishonesty. If you do utilize AI tools for your assignments, please include a footnote detailing which AI you employed, the specific prompts you used, and any edits you made. It's crucial that you thoroughly read and vet any AI-generated content, removing any awkward phrasing to ensure the final work is genuinely yours. If you are unsure about whether something may be plagiarism or academic dishonesty, please contact Ms. Rice to discuss the issue.

SCHOOLWIDE LEARNER OUTCOMES/STUDENT PROFILE

- Collaborative Communicators
- Emotionally Intelligent Thinkers
- Problem-Solving Innovators
- Socially Aware Agents of Change
- Critically-Thinking Digital Citizens