



SUBSIDIARY COURSE AGREEMENT AND SYLLABUS

Course: Integrated Math III Advanced
Subject Teacher: James Greenwood

Course Number: 4169-4170
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DESCRIPTION OF SEMESTER COURSE

This is the third course in a three-year series of integrated mathematics courses incorporating the Common Core State Standards. The course extends the mathematics students learned in Integrated I and Integrated II. Students extend their repertoire of functions to include polynomial, rational, and radical functions. They expand study of right-triangle trigonometry to include general triangles. They bring together data, functions, and geometry to create models and solve contextual problems.

OBJECTIVES AND METHODS OF STUDY

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

1. Read and study each assigned section.
2. Take notes on each section when directed.
3. Complete the problems assigned on the cover sheet for each section.
4. Check your answers by the solutions provided by the teacher.
5. Complete a monthly test as directed by the teacher.
6. Complete test corrections after getting the test back from the teacher.
7. Complete any other assignments as directed by the teacher on the cover sheet.

RESOURCES

- **Text:** Integrated CME Project Mathematics III, 2014, (Pearson), and supplementary material when provided.
- **Mr. Greenwood's Website:** (<https://jgreenwoodmath.neocities.org/>) This website includes Mr. Greenwood's policies such as retaking tests, extra credit, etc. The website also includes a page with information particular to your course.
- **Weekly Study Groups:** See the schedule posted by the school.
- **Math Help (Tutoring):** Available as listed on the weekly update webpage.
- **Online resources:** There are many good math resources online. Mr. Greenwood has a page of [Useful Math Links](#), though you can do a web search for any math topic and find many helpful results.

MONTHLY TOPICS, CHAPTER CONTENT AND COMMON CORE STANDARDS

Month / Text Chapters	Critical Concept Content	Common Core Standard
Month 1 Ch. 0, 1, 2	Review, Equations and Inequalities, Relations and Functions	A.SSE.1, A.SSE.2, A.CED.1, A.CED.3, F.IF.4, F.IF.4
Month 2 Ch. 2, 3	Relations and Functions Systems of Equations	F.IF.4, F.IF.6, F.IF.7, F.IF.9, F.BF.3, A.CED.2, A.CED.3, A.REI.11
Month 3 Ch. 4, 5	Polynomials and Polynomial Functions Inverse, Square Root, and Radical Functions	A.CED.1, A.REI.11, A.APR.2, A.APR.3, A.APR.6, F.FIF.7c, N.CN.9, F.IF.1, F.IF.3, F.IF.4, F.IF.9, F.BF.3, A.SSE.2A.REI.2
Month 4 Ch. 6	Exponential and Logarithmic Functions	A.CED.1, A.REI.11, A.SSE.2, F.FIF.7e, F.FIF.8b, F.LE.4, F.BF
Month 5 Ch. 7	Rational Functions, Equations, and Inequalities	A.CED.1, A.CED.2, A.REI.2, A.REI.11, A.APR.7, F.BF.3, F.IF.9
Month 6 Ch. 7, 8	Conics	A.CED.4, A.CED.2, ASSE.1b
Month 7 Ch. 9, 10	Data / Statistics	S.ID.2, S.ID.3
Month 8 Ch. 10, 11,	Data / Statistics Trigonometry	S.ID.2, S.ID.3 F.TF.1, F.TF.2, F.TF.5, F.IF.7E, F.BF.3, A.CED.2
Month 9 Ch. 11, 12	Trigonometry	F.TF.1, F.TF.2, F.TF.5, F.TF.8, F.IF.7E, F.BF.3,
Month 10	Review and Final Exam	All standards from the course (the final exam is cumulative)

EVALUATION CRITERIA AND METHODS

1. Attendance credit for each month and all assignments will be based on submission of monthly work by due dates listed on assignment agreement.
2. Work submitted after the due date cannot earn full credit.
3. Academic grades will be based on the quality and quantity of work submitted on time according to directions and expectations above.
4. 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

SCHOOLWIDE LEARNER OUTCOMES

- Communicate effectively through reading, writing, listening and speaking.
- Think and solve problems independently and critically.
- Demonstrate the confidence, resilience, and self-esteem to succeed in life.
- Use resources, including technology, to locate needed information.
- Demonstrate good citizenship and personal integrity.

