

MODESTO CITY SCHOOLS

COURSE OUTLINE

COURSE TITLE: MATH 180 Course II JH S1 MATH 180 Course II JH S2

COURSE NUMBER:

RECOMMENDED GRADE LEVEL: 8

ABILITY LEVEL:

DURATION: One year

CREDIT: .5 per semester

GRADING FORMAT:

MEETS GRADUATION REQUIREMENTS: Math

REQUIRED FOR GRADUATION:

CBEDS CODE:

MEETS UC AND CSU ENTRANCE REQUIREMENTS: NO

CREDENTIAL REQUIREMENTS: Single Subject; Mathematics

REPLACES:

Course Description:

MATH 180 Course II is a math class using a comprehensive system of curriculum, instruction, and assessment, to equip struggling students with the knowledge, reasoning, and confidence to be prepared for Secondary Math. Math 180 Course II is built from a carefully sequenced and paced progression of content. There are 9 blocks of instruction featuring high-interest themes. The focused content helps students make connections while learning to think algebraically.

Recommended Prerequisites: Multiple measures should be considered when placing students in this course including scoring between 450 and 800 on the Scholastic Math Inventory (SMI) Quartile test, teacher recommendation

Date Aligned with State Standards:

Board Approved:

REQUIRED TEXTBOOK (Title, publisher, year):

Math 180 Course II mSpace, Scholastic

Math 180 Course II Teaching Guide, Scholastic

INSTRUCTIONAL MATERIALS

REQUIRED TEXT(S):

Math 180 Course II mSpace, Scholastic

Math 180 Course II Teaching Guide, Scholastic

SUPPLEMENTARY TEXT(S):

Engage NY

Illustrative Math

Georgia Department of Education

COURSE OUTLINE

Block 1 – Rates in Time

- Topic 1 – Distance-Time graphs
- Topic 2 – Representing Graphs
- Topic 3 – Comparing Rates

Block 2 – Rate and Ratio

- Topic 1 – Comparing Quantities
- Topic 2 – Ratio Concepts
- Topic 3 – Equivalent Ratios

Block 3 – Ratio Relationships

- Topic 1 – Representing Ratios
- Topic 2 – Applications of Ratio Understanding
- Topic 3 – Percent as a Number

Block 4 – Percent and Proportional Reasoning

- Topic 1 – Percent Concepts
- Topic 2 – Comparing with Percent
- Topic 3 – Relationships in Ratio Tables

Block 5 – Proportional Relationships

- Topic 1 – Representing Proportional Relationships
- Topic 2 – Solution Sets
- Topic 3 – Applications of Percent

Block 6 – Linear Relationships

- Topic 1 – Linear Equations
- Topic 2 – Slope of a Line
- Topic 3 – Interpreting Linear Equations

Block 7 – Graphs in the Plane

- Topic 1 – Patterns with Negative Numbers
- Topic 2 – Negative Slope
- Topic 3 – Operations with Rational Numbers

Block 8 – Functions

- Topic 1 – Comparing Functions
- Topic 2 – Analyzing Functions
- Topic 3 – Squares and Square Roots

Block 9 – Systems of Equations

Topic 1 – Comparing Linear Functions

Topic 2 – Reasoning with Linear Systems

Topic 3 – Solutions of Systems

Supplemental Block – Geometry and Statistics

MODESTO CITY SCHOOLS

TEXTBOOK ADOPTION

NAME OF BOOK: mSpace, Teaching Guide

AUTHOR(S): _____

PUBLISHER: Scholastic, Inc.

COPYRIGHT DATE: 2011

ISBN #: _____

PRICE: _____

DEPARTMENT: Mathematics

CLASS: Math 180 Course II

GENERAL DESCRIPTION:

MATH 180 is an 8th grade math class using a comprehensive system of curriculum, instruction, and assessment, to equip struggling students with the knowledge, reasoning, and confidence to be successful in Secondary Math.

ASSURANCE OF SOCIAL APPROPRIATENESS: The selection committee has determined that the materials comply with the State of California Standards for Evaluation of Instructional Materials with Respect to Social Content.

APPROVED BY:

Selection Committee:

Mike Coats, Veronica Davalos, Marla Romanoff Kitzmann, Carol Vieira, Christina Rubacava

Curriculum Area Chairperson

Mike Coats
Director, Educational Services