

COURSE OUTLINE

Revision: Kim Llewelyn, August 2009

DEPARTMENT: Academic Programs
CURRICULUM: College Preparatory
COURSE TITLE: MATH SAT Prep
COURSE NUMBER: MATH 079
TYPE OF CORSE: Preparatory Academics
Special Requirement met: None
AREA(S) OF KNOWLEDGE: None
COURSE LENGTH: 4 weeks
CREDIT HOURS: 2
LECTURE HOURS: 2
LAB HOURS: 0
CLASS SIZE: 25
PREREQUISITES: None

COURSE DESCRIPTION:

MAT 079 covers percents, fractions, linear equations, systems of equations, quadratics, factoring, word problems, angles, triangles, area, perimeter, circles, averages, data interpretation and functions. All topics are presented specifically to address question style and content found on the Scholastic Aptitude Test.

STUDENT LEARNING OUTCOMES ADDRESSED:

1. Communication – Read and listen actively to learn and communicate.
2. Computation – use mathematical operations and apply quantitative skills.
3. Critical Thinking and Problem Solving – Think critically in evaluating

STUDENT LEARNING OUTCOMES CONTINUED:
a wide variety of applications of mathematical concepts.

GENERAL COURSE OBJECTIVES:

At the end of the course the student will:

1. Review a wide variety of mathematical concepts and perform mathematical operations.
2. Read questions analytically to determine critical information.
3. Gain awareness of traps and tricks common to the SAT. Learn test taking time management skills. Better understand test format, grading procedures, and instructions.

TOPICAL OUTLINE:

APPROX HOURS 22

I.	Diagnostics	3
II.	Arithmetic	5
III.	Algebra	5
IV.	Geometry	6
V.	Data analysis, Statistics, Advanced Algebra	3

ORIGINATED BY: Kim Llewelyn
DATE: August 2009

MATH 079 Math SAT Prep
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SLO #	Included in Course Objective Number	SSCC Student Learning Outcomes
SLO 1.1	1, 2, 3	Communication - Read and listen actively
SLO 1.2		Communication - Speak and write effectively
SLO 2.1	1	Computation - Use mathematical operations
SLO 2.2	1	Computation - Apply quantitative skills
SLO 2.3		Computation - Identify, interpret, and utilize higher level mathematical and cognitive skills
SLO 3.1		Human Relations - Use social interactive skills to work in groups effectively
SLO 3.2		Human Relations - Recognize the diversity of cultural influences and values
SLO 4.1	2, 3	Critical Thinking and Problem Solving -
SLO 5.1		Technology - Select and use appropriate technological tools
SLO 6.1		Personal Responsibility - Be motivated and able to continue learning and adapt to change
SLO 6.2		Personal Responsibility - Value one's own skills, abilities, ideas and art
SLO 6.3		Personal Responsibility - Take pride in one's work
SLO 6.4		Personal Responsibility - Manage personal health and safety
SLO 6.5		Personal Responsibility - Be aware of civic and environmental issues
SLO 7.1		Information Literacy - Access and evaluate information
SLO 7.2		Information Literacy - Use information to achieve personal, academic, and career goals, as well as to participate in a democratic society

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