

# Syllabus

**Course Title:** Math

**Grade:** 3

**DESCRIPTION OF COURSE:** The third grade math program supports the PA Core Standards for Mathematical Practice through lessons focused on depth of the content knowledge. Lessons begin by “Unlocking the Problem” through Math Talk questions. Students are prompted to use varied strategies and to explain their reasoning. Through the use of manipulatives, drawings, and discussion prompts students are guided into writing their own problems and evaluating the problem solving rationale used by classmates. Real-world problems encourage students to develop critical thinking skills and a productive attitude about math. The program addresses all third grade PA Core Standards emphasizing the critical areas for instruction such as developing an understanding of multiplication and division, the strategies for multiplication and division within 100, fractions, structure of rectangular arrays and of area, describing and analyzing two-dimensional shapes. Technology is incorporated through class activities and supportive software programs.

REQUIRED TOPICS OF STUDY	SUGGESTED INSTRUCTIONAL TIME	STANDARDS/ ELIGIBLE CONTENT
Chapter 1: Addition and Subtraction Within 1,000	15 days	M03.A-T.1.1.1, M03.A-T.1.1.2
Chapter 2: Represent and Interpret Data	10 days	M03.D-M.2.1.1, M03.D-M.2.1.2, M03.D-M.2.1.3, M03.D-M.2.1.4
Chapter 3: Understand Multiplication	11 days	M03.B-O.1.1.1, M03.B-O.1.2.1, M03.B-O.2.1.1, M03.B-O.3.1.1
Chapter 4: Multiplication Facts and Strategies	14 days	M03.B-O.1.1.1, M03.B-O.2.1.1, M03.B.2.1.2, M03.B-O.3.1.1
Chapter 5: Use Multiplication Facts	9 days	M03.B-O.1.1.1, M03.B-O.1.2.2, M03.B-O.3.1.5, M03.B-O.1.2.1, M03.B-O.3.1.1, M03.A-T.1.1.3
Chapter 6: Understand Division	16 days	M03.B-O.1.1.2, M03.B-O.1.2.1, M03.B-O.2.2.1
Chapter 7: Division Facts and Strategies	12 days	M03.B-O.1.1.2, M03.B-O.1.2.1
Chapter 8: Understand Fractions	15 days	M.03.C-G.1.1.3, M03.A-F.1.1.2, M03.A-F.1.1.1, M.03.A-F.1.1.4
Chapter 9: Compare Fractions	10 days	M.03.A-F.1.1.5, M03.A-F.1.1.4
Chapter 10: Measurement	15 days	M03.D-M.1.1.1, M03.D-M.1.1.2, M03.D-M.1.2.1, M.03.D-M.1.2.3, M03.D.-M.1.2.2

Chapter 11: Perimeter and Area	13 days	M03.D-M.4.1.1, M03.D-M.3.1.1, M03.D-M.3.1.2
Chapter 12: Geometry	15 days	M03.C-G.1.1.1, M03.C-G.1.1.2, M03.C-G.1.1.1

## RESOURCES:

Go Math!, Houghton Mifflin Harcourt (Copyright 2015)  
Strategic Intervention  
Go Math! Grab & Go Activity Center Cards  
Math on the Spot Videos  
Critical Area Projects  
TG for Developing Math Vocabulary  
Math Concept Readers  
ELL Activity Guide  
GO Math! Multimedia eGlossary  
GO Math! Animated Math Models  
Math on the Spot Videos  
Personal Math Trainer  
Go Math! Teacher Edition  
GO Math! Real World Videos  
GO Math! Lesson Transparencies  
Strategies and Practice for Skills and Facts Fluency - Primary  
Planning Guide  
Go Math! Teacher Resources Book  
Common Core Math Interactive Whiteboard Lessons

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