

Syllabus

Course Title: Math

Grade: 2

DESCRIPTION OF COURSE: The second grade math program supports the PA Core Standards for Mathematical Practice through lessons focused on depth of the content knowledge. Lessons begin with problem-based situations and then build to more abstract problems. Students use multiple models, manipulatives, quick pictures, and symbols to build mathematical understandings. Using rich, rigorous questions, students develop deep conceptual understanding and then practice, apply, and discuss what they know. The program addresses all second grade PA Core Standards emphasizing the critical areas for instruction such as extending their understanding of base ten notation, building fluency with addition and subtraction, using units of measure, representing and interpreting data and describing and analyzing shapes. Technology is incorporated through class activities and supportive software programs.

REQUIRED TOPICS OF STUDY	SUGGESTED INSTRUCTIONAL TIME	STANDARDS/ ELIGIBLE CONTENT
Chapter 1: Number Concepts	12 days	CC.2.2.2.A.3; CC.2.1.2.B.2
Chapter 2: Numbers to 1000	15 days	CC.2.1.2.B.1; CC.2.1.2.B.2; CC.2.1.2.B.3; CC.2.NBT.4
Chapter 3: Basic Facts and Relationships	14 days	CC.2.2.2.A.1; CC.2.1.2.A.2; CC.2.2.2.A.3; CC.2.1.2.B.3; CC.2.4.2.A.6
Chapter 4: Two Digit Addition	15 days	CC.2.2.2.A.1; CC.2.1.2.B.3; CC.2.NBT.5; CC.2.NBT.6; CC.2.NBT.7; CC.2.NBT.9
Chapter 5: Two Digit Subtraction	14 days	CC.2.2.2.A.1; CC.2.2.2.A.2; CC.2.1.2.B.3
Chapter 6: Three Digit Addition and Subtraction	13 days	CC.2.1.2.B.3
Chapter 7: Money and Time	14 days	CC.2.4.2.A.2; CC.2.4.A.3
Chapter 8: Length in Customary Units	12 days	CC.2.4.2.A.1; CC.2.MD.2; CC.2.MD.3; CC.2.MD.6; CC.2.4.2.A.6; CC.2.4.2.A.4
Chapter 9: Length in Metric	10 days	CC.2.4.2.A.1; CC.2.MD.2; CC.2.MD.3; CC.2.MD.6; CC.2.4.2.A.6; CC.2.4.2.A.4
Chapter 10: Measurement and Data	9 days	CC.2.MD.10
Chapter 11: Geometry and Fraction Concepts	13 days	CC.2.3.2.A.1; CC.2.G.2; CC.2.3.2.A.2; CC.2.OA.4

RESOURCES:

Go Math! Copyright 2015, Houghton Mifflin Harcourt Publishing Company:

Teacher Planning Guide

11 Chapter Teacher Editions

11 Chapter student editions

On Line Chapter Resources:

(www.thinkcentral.com)

Personal Math Trainer

Math On the Spot Video

Animated Math Models

i tools

Professional development resources

Print Resources

Practice

Homework

Reteach

Enrich

Grab and Go centers kit

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