

Whitehall-Coplay SD Syllabus

Course Title: Ready Pennsylvania PA Core Edition

Grade: 5th

DESCRIPTION OF COURSE:

Ready Pennsylvania Mathematics helps teachers create a rich classroom environment in which students at all levels become active, real-world problem solvers. Through teacher-led instruction, students develop mathematical reasoning, engage in discourse, and build strong mathematical habits. The program's instructional framework supports educators as they strengthen their teaching practices and facilitates meaningful discourse that encourages all learners. *Ready Pennsylvania*

Mathematics:

- Encourages students to develop a deeper understanding of mathematics concepts through the embedded Standards for Mathematical Practice
- Builds on students' prior knowledge with lessons that make connections within and across grade levels and directly address the major focus of the grade
- Incorporates a classroom mathematics routine that promotes conversations and increases accessibility of the mathematics for all students
- Prepares students for the challenges of the Pennsylvania System of School Assessment (PSSA) with tasks and activities that have a balance of conceptual understanding, procedural skills, fluency, and application

REQUIRED TOPICS OF STUDY	SUGGESTED INSTRUCTIONAL TIME	STANDARDS/ ELIGIBLE CONTENT
Number and Operations in Base Ten	46 days @ 45-60 minutes per day	CC.2.1.5.B.1/ MO5.A-T.1.1.1; MO5.A-T.1.1.2; MO5.A-T.1.1.3; MO5.A-T.1.1.4; MO5.A-T.1.1.5 CC.2.1.5.B.2/ MO5.A-T.2.1.1; MO5.A-T.2.1.2; MO5.A-T.2.1.3
Numbers and Operations-Fractions	43 days @ 45-60 minutes per day	CC.2.1.5.C.1/MO5.A-F.1.1.1 CC.2.1.5.C.2/MO5.A-F.2.1.1; MO5.A-F.2.1.2; MO5.A-F.2.1.3; MO5.A-F.2.1.4
Operations and Algebraic Thinking	17 days @ 45-60 minutes per day	CC.2.2.5.A.1/MO5.B-O.1.1.1; MO5.B-O.1.1.2 CC.2.2.5.A.4/MO5.B-O.2.1.1; MO5.B-O.2.1.2
Measurement and Data	47 days @ 45-60 minutes per day	CC.2.4.5.A.1 & CC.2.1.5.C.2/MO5.D-M.1.1.1 CC.2.4.5.A.2 & CC.2.4.5.A.4/MO5.D-M.2.1.1; MO5.D-M.2.1.2 CC.2.4.5.A.5 & CC.2.1.5.B.1/MO5.D-M.3.1.1; MO5.D-M.3.1.2

Geometry	20 days @ 45-60 minutes per day	CC.2.3.5.A.1/MO5.C-G.1.1.1; MO5.C-G.1.1.2 CC.2.3.5.A.2/MO5.C-G.2.1.1.1

Part 2 Syllabus: Ready Pennsylvania; PA Core Edition - Mathematics

After completing this course, students will be able to:

- Make sense of problems and persevere in solving them
- Reason abstractly and quantitatively
- Construct viable arguments and critique the reasoning of others
- Model with mathematics
- Use appropriate tools strategically
- Attend to precision
- Look for and make use of structure
- Look for and express regularity in repeated reasoning

Specific mathematical skill breakdown by lesson with standard

Students will:

Lesson 1: Understand Place Value

CC.2.1.5.B.1

Lesson 2: Understand Powers of Ten

CC.2.1.5.B.1

Lesson 3: Read and Write Decimals

CC.2.1.5.B.1

Lesson 4: Compare and Round Decimals

CC.2.1.5.B.1

Lesson 5: Multiply Whole Numbers

CC.2.1.5.B.2

Lesson 6: Divide Whole Numbers

CC.2.1.5.B.2

Lesson 7: Add and Subtract Decimals

CC.2.1.5.B.2

Lesson 8: Multiply Decimals

CC.2.1.5.B.2

Lesson 9: Divide Decimals
CC.2.1.5.B.2
Unit 1: Math in Action: Use Whole Numbers and
Decimals
CC.2.1.5.B.1
CC.2.1.5.B.2
Lesson 10: Add and Subtract Fractions
CC.2.1.5.C.1
Lesson 11: Add and Subtract Fractions in Word
Problems
CC.2.1.5.C.1
Lesson 12: Fractions as Division
CC.2.1.5.C.2
Lesson 13: Understand Products of Fractions
CC.2.1.5.C.2

Lesson 14: Multiply Fractions Using an Area Model
CC.2.1.5.C.2
Lesson 15: Understand Multiplication as Scaling
CC.2.1.5.C.2
Lesson 16: Multiply Fractions in Word Problems
CC.2.1.5.C.2
Lesson 17: Understand Division with Unit Fractions
CC.2.1.5.C.2
Lesson 18: Divide Unit Fractions in Word Problems
CC.2.1.5.C.2
Unit 2: Math in Action: Use Fractions
CC.2.1.5.C.1
CC.2.1.5.C.2
Lesson 19: Evaluate and Write Expressions
CC.2.2.5.A.1
Lesson 20: Analyze Patterns and Relationships
CC.2.2.5.A.4

Unit 3: Math in Action: Expressions, Patterns, and
Relationships
CC.2.1.5.B.2
CC.2.1.5.C.2
CC.2.2.5.A.1
CC.2.2.5.A.4
Lesson 21: Convert Measurement Units
CC.2.4.5.A.1
Lesson 22: Solve Word Problems Involving
Conversions
CC.2.4.5.A.1
Lesson 23: Make Line Plots and Interpret Data
CC.2.4.5.A.2
CC.2.4.5.A.4

Lesson 23A: Make Pictographs
CC.2.4.5.A.2
Lesson 23B: Make Bar Graphs
CC.2.4.5.A.2
Lesson 23C: Make Line Graphs
CC.2.4.5.A.2
Lesson 24: Understand Volume
CC.2.4.5.A.6
Lesson 25: Find Volume Using Unit Cubes
CC.2.4.5.A.6
Lesson 26: Find Volume Using Formulas
CC.2.4.5.A.6
Lesson 27: Find Volume of Composite Figures
CC.2.4.5.A.6
Unit 4: Math in Action: Work with Measurement and
Data
CC.2.1.5.B.2
CC.2.4.5.A.1

CC.2.4.5.A.6
Lesson 28: Understand the Coordinate Plane
CC.2.3.5.A.1
Lesson 29: Graph Points in the Coordinate Plane
CC.2.3.5.A.1
Lesson 30: Classify Two-Dimensional Figures
CC.2.3.5.A.2

Lesson 31: Understand Properties of
Two-Dimensional Figures
CC.2.3.5.A.2
Unit 5: Math in Action: Work with Geometry and
Coordinates
CC.2.3.5.A.1
CC.2.3.5.A.2

RESOURCES:

Ready 5 Mathematics INSTRUCTION teacher resource Book
Pennsylvania PA Core Edition
2018-Curriculum Associates, LLC
North Billerica, MA 01862

Ready 5 Mathematics Practice and Problem Solving Teacher Guide
2018-Curriculum Associates, LLC
North Billerica, MA 01862

iReady

Interactive Tutorials
Prerequisite Ready Lessons
Tools for Instruction

Math Center Activities

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