

Course Title: Grade 4 Math

Board Approval Date: June, 2010

Course Description:

The Lewisburg Area School District 4th Grade maximizes student learning by creating hands-on math instruction aligned with the Pennsylvania State Standards. In 4th Grade we instruct students in money and place value, addition and subtraction of whole numbers, multiplication and division of whole numbers, algebraic reasoning, data analysis, measurement and time, geometry, perimeter, area, and volume, fractions and decimals, probability and graphing.

Learning Activities / Methods of Assessment:

Small group instruction	Games/Centers
Large group instruction	Calendar Math
Worksheets	Hands-On Algebra
Quizzes	
Chapter tests	
Unit Tests	
Teacher observation	
Computer programs/sites	

Instructional Resources:

Houghton Mifflin Math- Houghton Mifflin Company, 2007.
Hands-On Algebra- Hands-On Equations, 1994.
Manipulatives
ActivInspire Software (Math Flipcharts)
Age-appropriate Internet resources

Course Pacing Guide

Course: Grade 4 Math

Course Unit (Topic)	Length of Instruction
1. Place Value and Money	17 Days
2. Addition and Subtraction	10 Days
3. Algebra	18 Days
4. Multiplication and Division	8 Days
5. Multiplication	15 Days
6. Division of Whole Numbers	20 Days
7. Data Analysis	12 Days
8. Measurement	15 Days
9. Time	8 Days
10. Geometry	15 Days
11. Perimeter, Area and Volume	7 Days
14. Decimals	10 Days

15. Fractions	10 Days
16. Function Tables and Coordinate Graphing	5 Days
17. Probability	5 Days
18. Grade 5 Preview (Dividing using double-digit divisors)	10 Days