

Reading (Harcourt StoryTown)

The four components of reading (Phonics, fluency, Comprehension, Vocabulary) will be taught through a comprehensive approach to literacy consisting of:

- Explicit instruction in skills and strategies for all components of reading
- Small Group Reading Instruction – children read text in a small group under the teacher’s guidance
- Independent Reading – children self select and read books at their own independent reading level
- Read Alouds – children listen to books read aloud by the teacher to develop vocabulary, comprehension skills, and an appreciation of good literature

Phonics:

- Word study
- Spelling

Vocabulary:

- Build and interact with word meanings
- Discuss words and provide the opportunity to use the word in different contexts
- Study robust and academic vocabulary to increase comprehension and create a rich verbal environment

Fluency:

- Develop automaticity and accuracy
- Practice reading with expression to demonstrate comprehension

Comprehension:

- Understand, remember, and communicate with others about the text
- Monitor comprehension by identifying difficulties and self assess as they read
- Use graphic organizers as a means to organize information to understand and remember concepts
- Generate and answer questions about their reading
- Recognize and understand different text structures
- Synthesize and summarize information within and across texts and reading experiences

Writing

- Write about topics they or the teacher select
 - Focus on narrative writing, informational writing, and opinion writing
 - Use writing process steps
 - Instruction on the Domains of Writing (focus, content, organization, style and convention) and assess through the PA Writing Rubric
-
- Text Dependent Analysis Responses

Handwriting

Fourth Grade reviews and practices cursive writing, while maintaining good manuscript (print) writing.

Spelling (Harcourt Program)

Emphasis is placed on patterns and rules as well as high-frequency spelling words.

Math

Operations and Algebraic Thinking

- Represent and solve multiplication and division word problems.
- Represent and solve multi-step word problems.
- Apply an understanding of factors and multiples.
- Identify, explain, and generate number and shape patterns.
- Determine the missing elements in or rule for function tables.
- Determine the missing symbol in number sentences.
- Fluently multiply and divide within 100.

Number and Operations in Base Ten

- Apply place value and rounding concepts.
- Add and subtract within 1,000,000.
- Multiply whole numbers by one- or two-digit numbers.
- Divide whole numbers by one-digit divisors.
- Estimate answers to arithmetic problems.

Number and Operations with Fractions

- Apply the concept of equivalent fractions.
- Add and subtract fractions and mixed numbers.
- Multiply a fraction by a whole number.
- Solve fraction word problems.
- Apply decimal place value concepts.

Measurement and Data

- Convert measurements.
 - Solve word problems involving measurements.
 - Solve word problems involving area and perimeter.
 - Tell time and calculate elapsed time.
 - Organize, represent, and interpret data using graphs and line plots.
-
- Measure and draw angles using a protractor.
 - Solve problems involving unknown angle measures.

Geometry

- Draw and identify geometric terms.
- Classify two-dimensional figures.
- Apply concepts of symmetry.

Science

- Energy
- Landforms
- Space
- Plants and Animals

Health

Safety, Disease Prevention, Body Systems, Social, Mental and Emotional Health, Environmental Health

Physical Education

Human Development Play Strategies and Age Appropriate Training in:

Cardiovascular Fitness, Bilateral Strength, Coordination, Agility and Speed Training, and Rhythmic Activities, Exercise Physiological and Biomechanical Body Awareness, Concepts and Strategies in Game related Play, and Biomechanical and Physics related terminology and understanding related to movement engagement designs that incorporate movement sequences and skills in drills/practices/or contests/performances.

Social Studies

- Geography of PA
- Early PA History
- PA Government
- Economics in conjunction with Junior Achievement

Music

Recorders, rhythm and steady beat. melody and vocal skills, melody and pitch identification, note identification, instruments, movement, listening, expressive elements, form

Library

Participate in a library book exchange program once a week. Research skills are integrated into all curricular areas.

Art

- Lines can be used to express dimension
- Shapes can be used in design to create harmony and visual interest
- Colors have a relationship with one another
- The illusion of space can be created through shading

- Texture can be a tactile experience or a visual illusion
- Form is defined by light and dark

Computer

Computers are used to supplement the various curriculum areas. The mobile Computer carts are typically used for whole group and small group instruction. The computers located in the classrooms and throughout the school are networked for Internet access.



MANHEIM TOWNSHIP SCHOOL DISTRICT
P.O. Box 5134, School Road
Lancaster PA 17606
717.569.8231

Manheim Township School District Curriculum Summary

Fourth Grade



Revised 11/19

