

What is my fifth grader learning in school?

Grade Five

SELECTED GRADE LEVEL EXPECTATIONS FOR FIFTH GRADE STUDENTS

Bulleted (•) items are examples of fifth grade expectations, but do not represent the entire curriculum.

READING

Selects and reads a variety of text

- Reads a variety of genre including fiction, non-fiction and poetry
- Uses reference materials
- Recognizes format variation in text

Applies strategies and skills

- Takes notes to retain information
- Consults reference sources (atlas, periodicals, etc.)
- Identifies author's purpose and point of view
- Recognizes dialect
- Rereads and reads ahead
- Uses new vocabulary in responses

Reads independently

- Keeps record of reading
- Summarizes what has been read independently
- Identifies strengths and needs as a reader

Demonstrates comprehension in oral and written reading response

- Summarizes reading
- Identifies and explains point of view
- Draws logical conclusions from text
- Compares and contrasts text
- Answers questions from charts, maps and tables

WRITING

Uses writing process effectively for a variety of purposes and audiences

- Uses wide range of information to plan writing
- Writes well developed paragraphs
- Revises and edits drafts
- Produces personal experience narrative, report, compare-contrast

paper, a story

Uses information from a variety of sources

- Conducts an interview as a source of information
- Locates and uses Internet information
- Prepares bibliography

Spelling

- Makes few errors in high frequency words
- Uses dictionary/spell checker
- Uses variety of spelling strategies (phonics, endings, syllable

word meanings)

Writes neatly

- Uses correct letter formation and consistent spacing and size
- Writes legibly
- Uses cursive

Speaks effectively for a variety of purposes and audiences

- Participates in small group presentation
- Presents an informative speech
- Asks and answers relevant questions

Listens actively

- Listens critically to take notes
- Listens critically to evaluate literature

MATH

Number Sense

- Read, write and order positive numbers through millions including commonly-used fractions and terminating decimals through thousandths
- Identify factors, multiples, prime and composite numbers
- Demonstrate divisibility rules for 2, 5 and 10

Algebraic Concepts

- Use order of operations rules for calculating problems using addition, subtraction, multiplication and division
- Write number sentences to represent math problem situations

- Use a T-chart to graph linear points in the first quadrant and

describe the slope

Statistics and Probability

- Determine and distinguish between mean, median, mode and

range

- Demonstrate that the sum of the probabilities equals one (e.g., $\frac{1}{2}$ yellow, $\frac{1}{4}$ red and $\frac{1}{4}$ blue = 1)

- Assign a number between 0 and 1, inclusive, to the probability of an event (e.g., $\frac{1}{6}$, $\frac{3}{12}$)

Geometry

- Demonstrate geometric constructions of copying a segment and an

angle

- Use vocabulary and show examples of: base, height, diagonals,

vertices and acute, obtuse and right angles

- Set up a coordinate graph, mark, and read coordinate pairs in the

first quadrant

Measurement

- Estimate, measure and draw angles using a protractor
- Develop and use formulas for perimeter and area of rectangles, squares, and triangles
- Compare and convert units of measure for linear, weight and capacity (e.g., inches to feet, ounces to pounds, cups to pints)

Computation

- Use concrete materials to determine commonly used percentages

(e.g., 25%, 50%, 75%, 100%)

- Demonstrate equivalencies and simplification of proper fractions
- Demonstrate with proficiency addition and subtraction of decimals

through hundredths

SCIENCE

Scientific Investigation

- Asks testable questions
- Generates hypotheses
- Collects data
- Displays and discusses result

Physical Science

- Describes electricity as a form of energy, makes a simple circuit, compares permanent magnets to electromagnets

Life Science

- Compares, contrasts, and quantifies common foods by their nutrient content and describes how food provides the body with energy

Earth and Space Science

- Uses a food chain or web to describe interactions between animals, plants, and the energy from the Sun

Technology and Careers

- Identifies careers related to each of the three investigations
- Identifies natural resources
- Identifies technologies used in daily life

Science as a particular way of knowing

- Predicts future events based upon observable patterns
- Compares a model with what it represents (for example, a globe to the Earth)
- Can explain why scientists repeat experiments with the same conditions

SOCIAL STUDIES

History

- Creates an historical summary and timeline that chronologically

organizes people and events using years, decades and centuries

Geography

- Identifies the colonial regions of the United States, and identifies the settlers, their reasons for immigration/migration, and the effect on the region

Civics

- Investigates how the Constitution is a living document

Economics

- Explains how economic factors influenced exploration of North America and the development of pre-colonial, colonial, and post-colonial United States

* Culture is integrated into all standards

PHYSICAL EDUCATION

Demonstrates skills and applies concepts

- Locomotion/Rhythm: Designs, refines, and performs a routine with a partner or in small groups
- Body Management: Transfers weight from feet to hands combined with rolling, balance, and locomotor movements
- Manipulatives: Utilizes manipulative skills in a small game situation (e.g. catching, throwing, volleying, striking, kicking, dribbling, hand/foot)
- Movement: Purposely uses general space to create or deny space when developing or using game strategies

Participates in regular physical activity and demonstrates the components of health-related fitness

- Monitors heart rate before, during, and after physical activity
- Demonstrates and/or identifies specific physical activities that develop muscular strength, endurance, flexibility, and aerobic components

Demonstrates safe, responsible behavior and positive social interaction

- Works cooperatively and productively with a partner or small group
- Works safely and productively on assigned tasks

- Listens and follows instructions
- Demonstrates peer observation on skill performance

MUSIC

Demonstrates musical skills and creative self expression

- Demonstrates proper vocal technique
- Demonstrates proper instrumental technique
- Creates a musical composition

Demonstrates knowledge of musical concepts

- Imitates, reads, writes and/or performs rhythmic and melodic notation
- Demonstrates knowledge of composers and musical styles
- Labels and classifies instruments

Cooperates and participates in classroom musical activities

- Demonstrates appropriate behavior in a variety of performance and class settings
- Follows directions and rules

ART

Demonstrates art skills and creative self expression

- Creates works of art expressing ideas, interests and emotions
- Uses a variety of media, tools, techniques and processes to create works of art

Demonstrates knowledge of art concepts

- Uses art elements and design principles in works of art
- Recognizes, compares and contrasts 2 or more different artists and/or cultures
- Uses appropriate art vocabulary to analyze, evaluate and interpret meaning in works of art

Cooperates and participates in classroom art activities

- Demonstrates appropriate behavior
- Participates in all art activities and completes assignments on time

For more information about what your child needs to learn at this grade level, visit our website at <http://adams12.org> and click on the Learning Services and Curriculum Framework links.