



Pathways to Learning

Curriculum and Instruction Department

Children come to school with a great deal of knowledge and a variety of experiences. Parents are their first teachers and continue in that role throughout the education of their children.

From their parents, children learn family values, cultural traditions, customs, and language skills. Parental efforts prepare them to continue their learning adventures at school as thinking, creative, and caring students.

We, as partners in your children's education, are responsible for providing them with meaningful learning experiences. Open communication between the home and school allows for a sharing of expectations. Together we can help your children fully develop their potential. Together, we educate the whole child.

The information that follows will help identify what your children will be learning in the grades Kindergarten, First, Second, Third, Fourth, and Fifth. This is only part of what students should know and be able to do at each grade level. For a complete listing, please visit our website at <http://www.adams12.org> and click on the Learning Services and Curriculum Framework links.

Children learn at different rates so this is only a general guide to some of the learnings at each grade level.

Table of Contents

What is my kindergartener learning at school?.....	3
READING	3
WRITING.....	3
MATH	4
SCIENCE	4
SOCIAL STUDIES	5
What is my first grader learning at school?	6
READING	6
WRITING.....	6
MATH	7
SCIENCE	7
SOCIAL STUDIES	8
PHYSICAL EDUCATION	8
MUSIC.....	9
ART	9
What is my second grader learning at school?.....	10
READING	10
WRITING.....	10
MATH	11
SCIENCE	11
SOCIAL STUDIES	12
PHYSICAL EDUCATION	12
MUSIC.....	13
ART	13
What is my third grader learning at school?.....	14
READING	14
WRITING.....	14
MATH	15
SCIENCE	16
SOCIAL STUDIES	16
PHYSICAL EDUCATION	17
MUSIC.....	17
ART	17
What is my fourth grader learning at school?.....	19
READING	19
WRITING.....	19
MATH	20
SCIENCE	21
SOCIAL STUDIES	21
PHYSICAL EDUCATION	21
MUSIC.....	22
ART	22
What is my fifth grader learning in school?.....	23
READING	23
WRITING.....	23
MATH	24
SCIENCE	25
SOCIAL STUDIES	25
PHYSICAL EDUCATION	26
MUSIC.....	26
ART	27

What is my kindergartener learning at school?

Kindergarten

SELECTED GRADE LEVEL EXPECTATIONS FOR KINDERGARTEN STUDENTS

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

READING

Demonstrates alphabet knowledge

- Knows letter names (in and out of sequence) for capital and lower case
- Knows letter sounds (in and out of sequence) for capital and lower case consonants

Demonstrates phonemic awareness

- Recognizes rhyming and non-rhyming words (cake – make rhymes; pan – pot doesn't rhyme)
- Says a word that begins with the same sound of another given word (man – map)
- Can blend sounds to make a word (c-a-t)
- Breaks apart words into the first sound and the rest of the word (f-ood)

Demonstrates directionality in print

- Reads left to right, return sweep (top to bottom), turns pages
- Knows front/back of book

Uses beginning reading strategies

- Accurately points to each word as it is read in a familiar text

Demonstrates comprehension of stories

- After listening to a story, retells the story including a beginning, middle and end
- Makes a logical prediction about what might happen next in a story

WRITING

Writes own name accurately

- Uses capital and lower case letters appropriately in writing first name

Writes effectively for a variety of purposes (independently)

- Represents many words with more than one sound

- Writes a few high frequency words correctly
- Writes one or two complete sentences
- Words are written left to right and top to bottom
- Some words are spaced
- Handwriting is legible

MATH

Number Sense

- Counts to 50
- Counts 10 objects, using one to one correspondence
- Names and orders numerals to 10

0 1 2 3 4 5 6 7 8 9 10

Algebraic Concepts

- Sorts objects
- Extends patterns
- Creates patterns

Statistics and Probability

- Answers questions about a simple graph that shows understanding of more, less and same

Geometry

- Names six basic shapes - circle, square, triangle, rectangle, rhombus and ellipse
- Understands positional words - above, below, under, over, middle, between, outside, inside

Measurement

- Measures using non-standard units, such as length, capacity, weight
- Demonstrates an understanding of time-related words, such as day/night, seasons, today/yesterday/tomorrow, days of week

Computation

- Uses manipulatives (such as cubes, links, counters) to solve a story problem

SCIENCE

Scientific Investigation

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

Physical Science

- observes, compares, counts and sorts objects made of common materials

Life Science

- observes, describes, and compares the structures and behaviors of common animals

Earth and Space Science

- Observes, describes and compares how changes in the Sun's position changes the size and shape of shadows

Technology and Careers

- Identifies at least one career in science such as a medical doctor or veterinarian

Science as a particular way of knowing

- Predicts future events based upon observable patterns

SOCIAL STUDIES

History

- Uses vocabulary such as before/after, yesterday/today/tomorrow, days of the week and months of the year

Geography

- Identifies a map and a globe as models, or parts of, our Earth

Civics

- Understands class rules

Economics

- Identifies personal needs and wants

* Culture is integrated into all standards

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.

What is my first grader learning at school?

GRADE ONE

SELECTED GRADE LEVEL EXPECTATIONS FOR FIRST GRADE STUDENTS

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

READING

Selects and reads a variety of text

- Reads fiction and non-fiction
- Begins to read/interpret signs and graphs
- Understands that print and pictures carry meaning
- Applies strategies and skills
- Previews text and makes predictions
- Uses voice/print match
- Attempts to self-correct
- Rereads and reads on
- Uses pictures as a source of information
- Knows high frequency words in context

Reads independently

- Retells what has been read independently
- Solves words while reading for meaning
- Selects “just right” books

Demonstrates comprehension in oral and written reading response

- Retells stories using story elements
- Sequences events in a story
- Participates in discussion of character traits in a story
- Answers questions about nonfiction text

WRITING

Uses writing process effectively for a variety of purposes and audiences

- Brainstorms ideas
- Writes complete sentences
- Reads own writing to an audience
- Produces a personal narrative, description and simple report

Uses information from a variety of sources

- Begins to use reference sources to acquire information (with teacher support)
- Recognizes when information does/does not apply to topic
- Organizes information (sorts, sequences)

Spelling

- Makes few errors in Grade One writing words

- Uses letter/sound relationships and word families

Writes neatly

- Uses correct letter formation
- Uses consistent spacing between words

Speaks effectively for a variety of purposes and audiences

- Shares stories/ideas
- Stays on topic
- Expresses ideas clearly

Listens actively

- Focuses attention on speaker to recall what has been said
- Connects experiences to what has been said

MATH

Number Sense

- Represents whole numbers from 0-100
- Groups objects by ones and tens
- Reads, writes and orders numerals from 0-100

Algebraic Concepts

- Sorts collections of objects by size, color and shape
- Creates, describes and extends patterns
- Understands the concept of equal and not equal

Statistics and Probability

- Uses and understands a bar graph
- Uses survey data to make predictions
- Explores the concept of chance (spinning spinners, flipping a coin)

Geometry

- Explores the concept of symmetry (same on both sides)
- Explores attributes of cones, spheres, cylinders, cubes and prisms
- Recognizes 2 dimensional shapes, in different sizes and positions

Measurement

- Describes the units for measuring time, length, capacity and temperature
- Tells time to the nearest hour and half hour
- Estimates and measures to the nearest inch and foot

Computation

- Demonstrates addition and subtraction with concrete materials
- Counts on or back from any number 0-100
- Writes simple math stories using addition or subtraction

SCIENCE

Scientific Investigation

- Asks testable questions

- Collects data
- Displays and discusses results

Physical Science

- Observes, describes and compares the motion of objects under different conditions

Life Science

- Identifies the needs of living plants and describes the cycle of a plant starting with a seed

Earth and Space Science

- Describes and observes changes in the Moon over time.
- Uses a model to represent the Moon.

Technology and Careers

- Identifies careers related to each of the three investigations

Science as a particular way of knowing

- Predicts future events based upon observable patterns

SOCIAL STUDIES

History

- Develops an understanding of time lines

Geography

- Introduces the use of symbols on maps or globes

Civics

- Explains the need for and benefits of rules and personal responsibility in a family and school

Economics

- Identifies types of jobs needed in the community and how people help one another

* Culture is integrated into all standards

PHYSICAL EDUCATION

Demonstrates skills and applies concepts

- *Locomotion/Rhythm*: Travels using basic loco-motor movements demonstrating proper technique
- *Body Management*: Balances, rolls, and transfers weight from one body part to another body part
- *Manipulatives*: Kicks, dribbles, throws, catches, and strikes an object demonstrating proper technique
- *Movement*: Travels safely without falling or bumping in a group activity

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

- Participates regularly in moderate/vigorous physical activity

- Identifies and demonstrates two or more changes in the body during moderate/vigorous physical activity

Demonstrates safe, responsible behavior and positive social interaction

- Works safely and productively on assigned tasks
- Listens and follows instructions

MUSIC

Demonstrates musical skills and creative self expression

- Demonstrates a singing voice
- Matches a steady beat and accompanies self using classroom instruments and/or body percussion
- Chooses an appropriate accompaniment to enhance a piece of music
- Interprets variations in musical elements

Demonstrates knowledge of musical concepts

- Imitates, reads, writes and/or performs steady beats and patterns
- Reads and/or performs melodies on a two line staff
- Differentiates and categorizes various sound sources

Cooperates and participates in classroom musical activities

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

ART

Demonstrates art skills and creative self expression

- Identifies different emotions expressed in works by various artists
- Recognizes and uses a variety of media to create a work of art

Demonstrates knowledge of art concepts

- Uses art elements when creating a work of art
- Recognizes and discusses 1-2 different artists and/or cultures
- Uses appropriate art vocabulary to describe a work 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.

What is my second grader learning at school?

Grade Two

SELECTED GRADE LEVEL EXPECTATIONS FOR SECOND GRADE STUDENTS

Bulleted (•) items are **examples** of second 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
- Begins to read/interpret diagrams, tables, headings and captions

Applies strategies and skills

- Previews text and makes predictions
- Rereads, reads on
- Uses phonics (clusters, diagraphs and blends)
- Reads high frequency words in context
- Uses strategies to read unknown words
- Self corrects reading errors

Reads independently

- Retells what has been read independently
- Solves words while reading for meaning
- Selects “just right” books

Demonstrates comprehension in oral and written reading response

- Retells stories using story elements
- Makes inferences about character traits
- Identifies main idea and details
- Makes connections and compares information across text
- Explains similarities and/or differences between a poem and another text

WRITING

Uses writing process effectively for a variety of purposes and audiences

- Uses graphic organizers
- Writes draft with beginning, middle, end and details
- Proofreads own writing
- Produces personal narrative, friendly letter and report

Uses information from a variety of sources

- Selects topic and identifies sources of information with teacher support
- Conducts simple search
- Organizes information with graphic organizer

Spelling

- Makes few errors in Grade Two writing words
- Begins to apply phonics principles (word endings, blends)

Writes neatly

- Uses correct letter formation and consistent size
- Uses consistent spacing between words

Speaks effectively for a variety of purposes and audiences

- Uses appropriate volume and rate
- Maintains eye contact
- Stands still

Listens actively

- Focuses attention on speaker to recall what has been said
- Connects experiences and insights to what has been said

MATH

Number Sense

- Represents whole numbers from 0-1000
- Understands meaning of fractions, wholes, halves, thirds, fourths, eighths and tenths
- Understands equivalences of coins (e.g., 5 nickels = 1 quarter)

Algebraic Concepts

- Understands the relationship between a graph and a table
- Creates, extends and describes number patterns
- Explores quantities which are equal, not equal, greater than, less than

Statistics and Probability

- Displays data using tallies, bar graphs, pictographs or tables
- Analyze and report the results of spinning a spinner

Geometry

- Uses geometric vocabulary (e.g., closed and open figures, polygons, congruency)
- Identifies and draws right angles and not right angles
- Explores parallel, perpendicular, horizontal and vertical

Measurement

- Tells time to the nearest 15 minutes using digital and analog clocks
- Estimates and measures the length of objects to the nearest inch/foot or centimeter
- Explores concept of perimeter and area

Computation

- Automatically recalls basic addition and subtraction facts (e.g., sums to 20, differences to 10)
- Adds and subtracts fractions using pictures or objects
- Correctly uses either addition or subtraction to solve real world problems

SCIENCE

Scientific Investigation

- Asks testable questions
- Collects data

- Displays and discusses result

Physical Science

- Describes and compares the properties of solids and liquids

Life Science

- Describes the habitat needs, structures, behavior, and life cycles of common insects

Earth and Space Science

- Sorts and classifies Earth materials by their properties

Technology and Careers

- Identifies careers related to each of the three investigations

Science as a particular way of knowing

- Distinguishes between fiction and non-fiction science books
- Predicts future events based upon observable patterns

SOCIAL STUDIES

History

- Identifies examples of change and continuity in his/her own life and school

Geography

- Uses and labels cardinal directions and intermediate directions on a map

Civics

- Examines basic principles of government and describes various ways decisions can be made

Economics

- Explores basic needs and wants within the community

*Culture is integrated into all standards

PHYSICAL EDUCATION

Demonstrates skills and applies concepts

- *Locomotion/Rhythm:* Demonstrates even and uneven movements
Continuously jumps a turning rope held by others
- *Body Management:* Balances in symmetrical and asymmetrical shapes on the floor or on equipment
- *Manipulatives:* Kicks, dribbles, throws, catches, and strikes an object demonstrating specific cues
- *Movement:* Performs sequences that incorporate changes in

directions, levels, pathways, and/or shapes

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

- Sustains moderate to vigorous physical activity for short periods of time
- Identifies and demonstrates two or more changes in the body during moderate/vigorous physical activity

Demonstrates safe, responsible behavior and positive social interaction

- Works safely and productively on assigned tasks
- Listens and follows instructions

MUSIC

Demonstrates musical skills and creative self expression

- Demonstrates a singing voice individually or in a group
- Demonstrates a variety of rhythm patterns using instruments, movement or body percussion
- Interprets music through movement

Demonstrates knowledge of musical concepts

- Identifies, reads, writes and/or performs rhythmic or melodic notation
- Demonstrates knowledge musical styles
- Describes music appropriately
- Distinguishes between different tone colors.
- Cooperates and participates in classroom musical activities
- Demonstrates proper behavior in a variety of performance and class settings
- Follows directions and rules

ART

Demonstrates art skills and creative self expression

- Creates a work of art which illustrates an emotion
- Uses a variety of media to create works of art

Demonstrates knowledge of art concepts

- Uses art elements when creating a work of art
- Recognizes and discusses 1-2 different artists and/or cultures
- Uses appropriate art vocabulary to describe subject matter and elements of design in a work of art

Cooperates and participates in classroom art activities

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

What is my third grader learning at school?

Grade Three

SELECTED GRADE LEVEL EXPECTATIONS FOR THIRD GRADE STUDENTS

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

READING

Selects and reads a variety of text

- Reads a variety of materials including various types of fiction, non-fiction and poetry
- Uses parts of a book (glossary, index, guide words, etc.)
- Recognizes tables, graphs, diagrams

Applies strategies and skills

- Makes and confirms predictions
- Uses meaning, structure and visual clues to figure out unknown words
- Uses punctuation to gain meaning
- Adjusts reading rate to match purpose
- Stops when meaning is lost and rereads, reads ahead or self-corrects

Reads independently

- Summarizes what has been read independently
- Keeps record of reading
- Selects “just right” books

Demonstrates comprehension in oral and written reading response

- Distinguishes main idea and detail
- Identifies sequence in an explanation or set of steps
- Summarizes text
- Supports inferences from text
- Understands cause and effect relationships in text
- Compares and contrasts a poem with another text

WRITING

Uses writing process effectively for a variety of purposes and audiences

- Generates and organizes ideas for writing
- Drafts and makes changes to draft that enhance meaning
- Proofreads to correct errors in writing
- Produces a personal narrative, summary paragraph and book

report

Uses information from a variety of sources

- Refines questions for a search
- Distinguishes characteristics of a dictionary
- Identifies appropriate sources of information for a search

Spelling

- Makes few errors in Grade Three writing words
- Begins to use dictionary to assist with spelling
- Writes plurals and contractions correctly

Writes neatly

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

Speaks effectively for a variety of purposes and audiences

- Participates in small group presentation
- Presents a book talk with appropriate content and delivery
- Explains connections to what has been said

Listens actively

- Distinguishes fact from opinion
- Restates and responds to what has been said

MATH

Number Sense

- Represents whole numbers from 0-10,000
- Uses coins and bills to make change up to \$5.00
- Understands and can identify place value to the ten thousands

Algebraic Concepts

- Uses the symbols equal ($=$), greater than ($>$) and less than ($<$)
- Solves simple addition and subtraction problems with an x variable (e.g., $3 + x = 7$)
- Recognizes patterns of multiples (e.g., 7, 14, ____, 28, 35)

Statistics and Probability

- Uses a time line to display a sequence of events
- Uses a computer to create bar and circle graphs
- Determines the median, mode and range

Geometry

- Explores congruency by comparing shapes with the same side, angles and areas
- Draws obtuse, acute and right angles
- Shows examples of points, lines, line segments and rays

Measurement

- Tells time to the nearest 5 minutes
- Estimates and measures area and perimeter

- Compare and converts units of measure of length and capacity using American and metric systems (e.g., 12 inches = 1 foot; 100 cm = 1 meter)

Computation

- Demonstrates understanding of basic multiplication and division
- Uses coins as models to add and subtract decimals
- Adds and subtracts whole numbers with regrouping for up to 4 digit numbers

SCIENCE

Scientific Investigation Scientific Investigation

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

Physical Science

- Identifies air as a gas and describes properties of air using standard measurements

Life Science

- Describes how bones, muscles and joints work together as human body systems

Earth and Space Science

- Relates cloud types to weather conditions and describes the weather through use of standard measurements

Technology and Careers

- Identifies careers related to the three investigations

Science as a particular way of knowing

- Predicts future events based upon observable patterns

SOCIAL STUDIES

History

- Places in chronological order significant people, groups, and events in the history of the community in various ways

Geography

- Constructs a model or a map of the community indicating specified areas where people live, shop, plan and play

Civics

- Explains the function and limits of city government

Economics

- Describes economic reasons for people moving to and from the community

* Culture is integrated into all standards

PHYSICAL EDUCATION

Demonstrates skills and applies concepts

- *Locomotion/Rhythm:* Jumps a self-turned rope
- *Body Management:* Transfers weight from feet to hands using large extensions
- *Manipulatives:* Hand/Foot dribbles a ball maintaining control while traveling within a shared space
- Throws, catches, and strikes an object demonstrating specific cues
- *Movement:* Designs a sequence of movements (e.g. dance, gymnastics, balls, scarves, jump ropes)

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

- 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

MUSIC

Demonstrates musical skills and creative self expression

- Matches pitch for pentatonic songs
- Plays appropriate accompaniment patterns and melodies
- Improvises rhythmic question and answer phrases
- Improvises melodically

Demonstrates knowledge of musical concepts

- Reads, writes and/or performs rhythmic and melodic notation
- Identifies and demonstrates knowledge of composers and musical styles
- Uses appropriate musical terms

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 a work of art which communicates an idea or emotion
- Uses a variety of media, tools, techniques and processes to create works of art

Demonstrates knowledge of art concepts

- Uses art elements and recognizes design principles in works of art
- Recognizes, compares and contrasts 2 or more different artists and/or cultures
- Uses appropriate art vocabulary to describe subject matter 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.

What is my fourth grader learning at school?

Grade Four

SELECTED GRADE LEVEL EXPECTATIONS FOR FOURTH GRADE STUDENTS

Bulleted (•) items are **examples** of fourth 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
- Interprets charts, maps, graphs, timelines
- Recognizes format variations in text

Applies strategies and skills

- Sets purpose for reading
- Adjusts rate for purpose and text difficulty
- Rereads and reads ahead
- Uses dictionary, atlas and encyclopedia
- Categorizes information using graphic organizer
- Uses a variety of strategies to build vocabulary

Reads independently

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

Demonstrates comprehension in oral and written reading response

- Summarizes reading
- Makes inferences about similarities in characters across text
- Identifies point of view
- Differentiates fact from opinion
- Identifies authors purpose
- Explains similarities and differences among text

WRITING

Uses writing process effectively for a variety of purposes and audiences

- Shows evidence of planning
- Drafts well-developed paragraphs
- Revises and proofreads drafts
- Produces personal experience narrative, content-based summary, report and process explanation

Uses information from a variety of sources

- Locates information using library system
- Uses variety of reference materials

- Compiles and prepares simple bibliography

Spelling

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

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 explanation speech
- Paraphrases and orally summarizes

Listens actively

- Listens to distinguish fact from fiction
- Restates and responds to what has been said

MATH

Number Sense

- Converts decimals to fractional equivalents (e.g., $.25 = 1/4$)
- Compares and orders fractions with like and unlike denominators
- Apply equalities and inequalities of whole numbers from 0 to 100,000

Algebraic Concepts

- Using a variable (y) solves addition, subtraction or multiplication problems (e.g., if $y \times 3 = 9$ and $y \times 4 = 12$ then $y = 3$)
- Using a T-chart explain how the change in one quantity is related to a change in another
- Demonstrate balance and equality in an equation

Statistics and Probability

- Collect and display data using line, dot plots, circle, bar graphs or pictographs
- Determines median, mode, range and mean
- Determine and describe the number of outcomes obtained from a variety of chance devices

Geometry

- Define, describe and identify similarity, congruence and symmetry
- Use vocabulary and show examples of: parallel, perpendicular, intersecting lines, angles, rays
- Measure sides and perimeters of geometric shapes and determine area using standard units

Measurement

- Find the area of rectangular regions without using a formula (e.g., counting squares, using arrays)
- Describe and use units for measuring length, area, volume, capacity and temperature in U.S. customary and metric units
- Measure the length of objects to the nearest half inch and nearest centimeter

Computation

- Demonstrate addition and subtraction of proper fractions and mixed numerals
- Multiply two digits by two digits and three digits by one digit with regrouping
- Division of three digits by one digit with remainders

SCIENCE

Scientific Investigation

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

Physical Science

- Describes the properties of water, the water cycle, landforms shaped by water erosion and why water is a conserved natural resource in Colorado

Life Science

- Describes how Colorado wildlife is adapted to specific life zone ecosystems

Earth and Space Science

- Compares, contrasts, and quantifies Earth's characteristics as a planet to other planets in our solar system

Technology and Careers

- Identifies careers related to each of the three investigations
- Identifies technology used in their daily life

Science as a particular way of knowing

- Predicts future events based upon observable patterns

SOCIAL STUDIES

History

- Places in chronological order significant people, groups, and events in the history of Colorado in various ways

Geography

- Investigates the influence of the geography of Colorado on the following: settlement, use of resources and economic growth

Civics

- Identifies various examples of government prior to statehood

Economics

- Describes the "boom and bust" economy of Colorado

*Culture is integrated into all standards

PHYSICAL EDUCATION

Demonstrates skills and applies concepts

- *Locomotion/Rhythm*: Performs jumping skills (e.g. tinkling skills,

Chinese jump ropes, jump bands)

- *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:* Develops patterns and combinations of movements into repeatable sequences

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

- 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

MUSIC

Demonstrates musical skills and creative self expression

- Demonstrates proper vocal technique
- Demonstrates proper instrumental technique
- Improvises melodic or rhythmic question and answer phrases

Demonstrates knowledge of musical concepts

- Reads, writes and/or performs rhythmic and melodic notation
- Demonstrates knowledge of composers and musical styles
- Analyzes music using appropriate terminology

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

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.