

# Karns City Area School District Elementary Curriculum Guide (K-6)





*About this guide:*

The Karns City Area Elementary Curriculum Guide (K-6) provides academic details for grades K-6, as well as descriptions of our Art, Band, Library, Music, Physical Education, Technology, Speech, and Transition programs. We are pleased to provide you with this information and encourage you to contact us with any questions.

# Kindergarten

## Math:

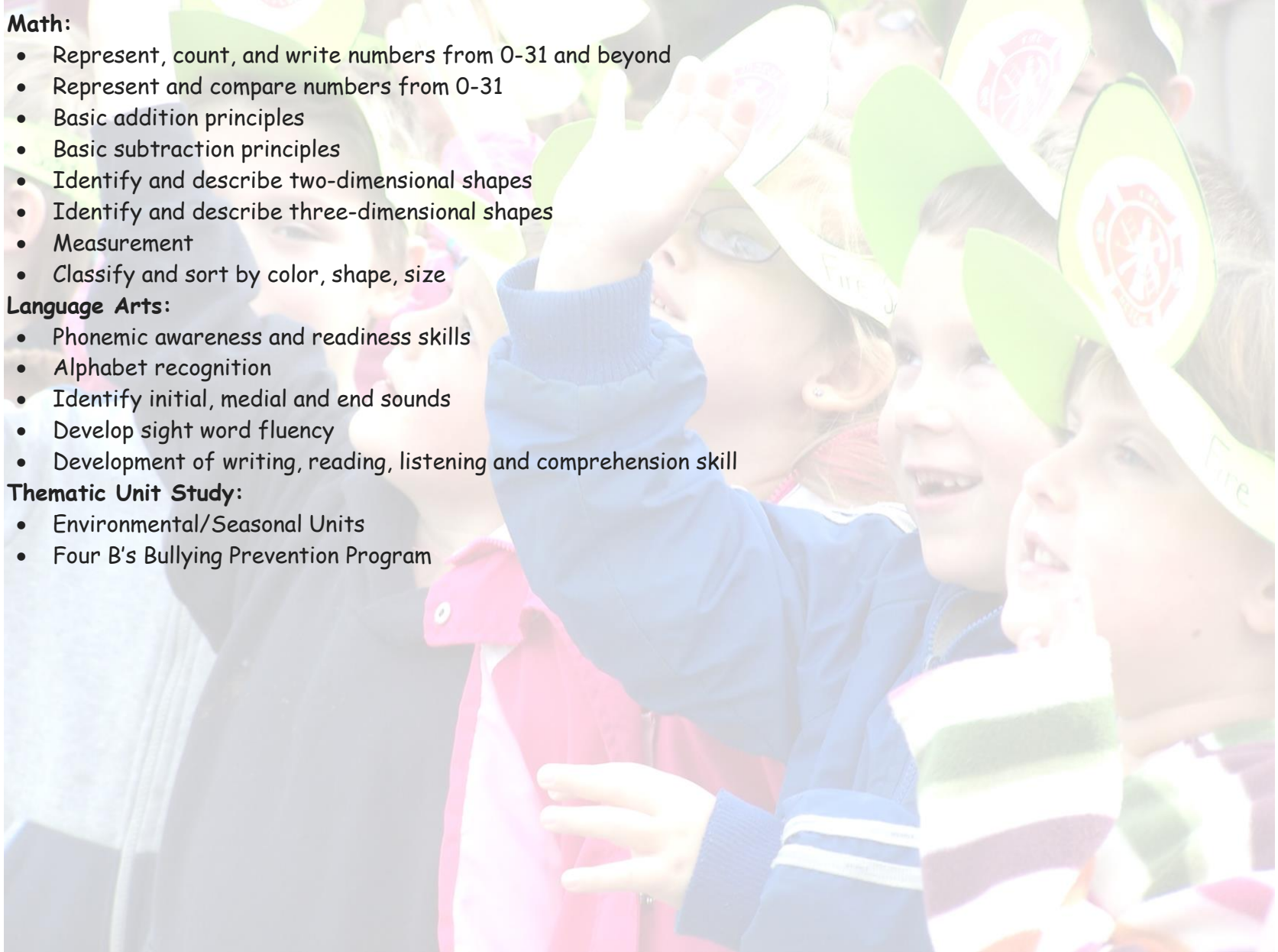
- Represent, count, and write numbers from 0-31 and beyond
- Represent and compare numbers from 0-31
- Basic addition principles
- Basic subtraction principles
- Identify and describe two-dimensional shapes
- Identify and describe three-dimensional shapes
- Measurement
- Classify and sort by color, shape, size

## Language Arts:

- Phonemic awareness and readiness skills
- Alphabet recognition
- Identify initial, medial and end sounds
- Develop sight word fluency
- Development of writing, reading, listening and comprehension skill

## Thematic Unit Study:

- Environmental/Seasonal Units
- Four B's Bullying Prevention Program



# First Grade

## Math

- Addition and Subtraction to 20
- Understand whole numbers, place value, grouping tens and ones
- Understand measurement and measuring length
- Geometric shapes

## Reading/English Language Arts

- Understand concepts of print (tracking print, capitals, punctuation)
- Writing skills/mechanics (sentence structure, formation of letters)
- Phonemic awareness (rhyming, letters-sounds, syllables)
- Decoding skills (blends, digraphs, diphthongs, contractions, compound words)
- Spelling (word families, vowels)
- Vocabulary and fluency (synonyms, antonyms, multiple meaning words)
- Comprehension (strategies, critical thinking, fact/opinion)
- Literature (fantasy, reality, poetry, literary response and appreciation)
- Grammar (verbs, nouns, pronouns, adjectives)
- Writing process (5 steps to writing)
- Research and study skills (following multiple step directions, ABC order, parts of a book)
- Habits and attitudes (working together, creating a love of reading, sharing their work)

## Science

- Plants, trees, seeds
- Fire prevention
- Weather
- Life cycles of animals
- Animal Groups (mammals, insects, amphibians, reptiles)
- Self-health (dental, hearts, 5 senses, nutrition)

## Social Studies

- Community helpers
- Friendship
- Bullying
- Holiday seasons

# Second Grade

## Math

- Extend understanding of base-ten notation
- Build fluency with addition and subtraction
- Use standard and non-standard units of measure
- Describe and analyze shapes
- Collect, analyze, and represent data using a variety of tables, graphs, and charts
- Add up to four two-digit numbers using strategies based on place value and properties of operations
- Tell and write time from analog and digital clocks to the nearest five minute using AM and PM
- Count money using dollar bills, quarters, dimes, nickels, and pennies and use the dollar sign and cent sign appropriately
- Partition circles and rectangles into 2, 3, or 4 equal shares and describe the shares using the words halves, thirds, etc.

## Reading

- Know and apply appropriate reading strategies
- Phonemic awareness
- Listening and speaking skills
- Comprehension skills (main idea and details, cause and effect, drawing conclusions, sequencing, fact and opinion)

- Character traits

- Story elements (plot, setting, characters, problem, solution)

## English Language Arts

- Parts of speech (nouns, verbs, adjectives, adverbs, pronouns)
- Sentence structures (subject, predicate)
- Capitalization and punctuation
- Four types of sentences
- Using the writing process

## Science

- Animals and habitats
- Weather
- Plants
- Life cycles
- Light and color
- Earth and time
- Solar system

## Social Studies

- Communities
- Citizenship
- Holidays and celebrations
- Map skills
- Continents and other land forms

# Third Grade

## Math

- Addition, subtraction, multiplication, and division; understand the relationships between operations
- Patterns, relations, and functions; development of numbers and operations through an understanding of addition, subtraction, multiplication, and division and place value up to 10,000
- Fractions; understand the size, meaning, and uses of fractions, meanings and use of fractions as parts of a whole, parts of a set, or points and distances on a number line
- Data and probability; data analysis addresses how to organize and formulate data in order to interpret bar graphs, line graphs, and line plots, and solve problems
- Measurable attributes; measurement shall pertain to the solving of problems using linear measurement and time
- Describe, analyze, compare, and classify two- and three- dimensional shapes; geometry places emphasis on the description, analysis, comparison and classification of two- and three- dimensional shapes (i.e., symmetry)
- Real life problem-solving is emphasized throughout all areas

## Language Arts

- Use structural analysis to define a word
- Introduce syllabication patterns to decode words

- Apply problem solving and make judgments about what is being read
- Understand an author's purpose in all texts
- Continue progression of conventional spelling
- Write, using the writing process, a variety of pieces

## Science

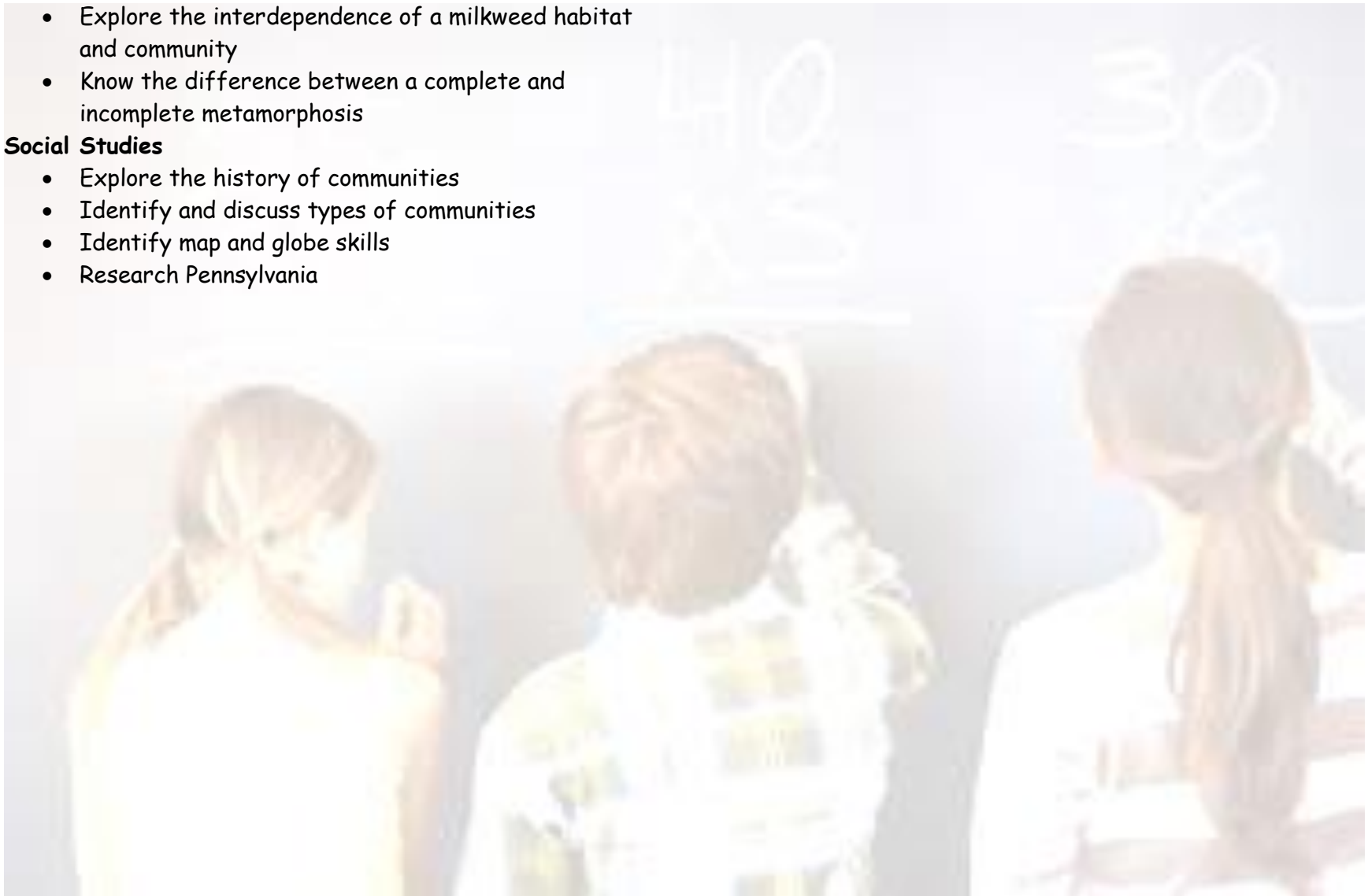
- Know that living things are dependent on living things in the environment for survival
- Explore the life cycle of a plant and animals
- Investigate role of pollination (bees) in the life cycle of plants
- Know that the structures and behaviors of living things are adapted to meet their needs
- Provide clear explanations for observations
- Record and analyze data
- Know that one plant can produce many seeds
- Label planets in our solar system
- Compare size and distance relationships between earth and the sun
- Compare size and distance relationships between earth and the moon
- Research characteristics of a planet(s) in our solar system
- Identify tools scientists use to study the solar system
- Investigate energy
- Know the structures and functions of the anatomy of a butterfly at various stages of complete metamorphosis

# Third Grade

- Explore the interdependence of a milkweed habitat and community
- Know the difference between a complete and incomplete metamorphosis

## **Social Studies**

- Explore the history of communities
- Identify and discuss types of communities
- Identify map and globe skills
- Research Pennsylvania



# Fourth Grade

## Math

- Develop an understanding of place value and operations with whole numbers
- Develop an understanding of decimals and fractions; make connections between fractions and decimals; add/subtract/multiply fractions by whole numbers
- Understand the relative sizes of measurement units (length, weight, liquid volume; metric units of mass and liquid volume; units of time)
- Extend their understanding of geometric figures and their attributes

## Reading

- Understand text organization
- Sequence events
- Recognize story structure
- Utilize text organization
- Note details
- Draw conclusions
- Predict outcomes
- Differentiate between fact and opinion
- Identify author's point of view
- Make inferences
- Follow oral and written directions
- Apply the reading strategies according to Harcourt Trophies reading series
- Understand the writing process
- Examine the elements of grammar within the writing process

- Write using the writing process. (narrative, persuasive, descriptive, and basic research reports)

## Science

- Explore basic needs of animals and adaptations that help animals meet their needs
- Investigate the classification of living things and characteristics of different animal groups
- Explore the properties of energy, including its forms. Investigate friction and simple machines
- Know the properties of magnets and forms of electrical energy
- Design and build electrical circuits
- Examine the effects of moving water, wind and ice on the earth's surface
- Understand that there are consequences of producing and disposing of trash
- Explore models of the water cycle
- Investigate forces potential and kinetic energy (observe, describe and compare)
- Understand how force affects motion
- Know the layers of Earth's atmosphere
- Analyze the effects of changes in air on weather; weather patterns and predictions
- Understand that matter can exist in different states; understand the difference between matter; mass and volume
- Explore the physical and chemical properties of common everyday objects
- Analyze soil components



# Fourth Grade

- Know basic information about natural resources: renewable and nonrenewable
- Know what agriculture is and the effects of agriculture on the environment
- Develop proper laboratory techniques

## **Social Studies**

- Utilize map skills
- Identify five regions of the United States and identify geographical features unique to each region
- Identify the culture of Native American groups associated with each region of the United States
- Identify regions of Pennsylvania and their geographical features

- Survey early history of the United States through study of events in Pennsylvania
- Create and identify important events in history on timelines
- Research important facts about Presidents of the United States
- Research important facts about a specific state
- Identify growth and development of industry throughout history
- Develop an understanding of economics
- Survey various cultures that contributed to PA development
- Describe local, state, and national governments according to structure and leadership roles



# Fifth Grade

## Math

- Explore and Apply knowledge of Place Value, Multiplication, and Expressions through Multiplication and Division
- Explore and Apply knowledge of Dividing Whole Numbers with 1-digit and 2-digit divisors
- Explore and Apply knowledge of Addition and Subtraction of Decimals from whole numbers to thousandths
- Explore and Apply knowledge of Multiplying Decimals with whole numbers, decimals, and money
- Explore and Apply knowledge of Dividing Decimals with whole numbers, decimals, and zeros in the dividend
- Explore and Apply knowledge of Operations with Fractions including addition with like and unlike denominators and mixed numbers
- Explore and Apply knowledge of Multiplying Fractions by whole numbers, fractions, and mixed numbers
- Explore and Apply knowledge of Dividing Fractions by whole numbers and fractions
- Explore and Apply knowledge of Algebra through Patterns and Graphing (Line Plots, Ordered Pairs, Line Graphs, Find a Rule)

- Explore and Apply knowledge of Converting Units of Measure through Length, Capacity, and Weight with Customary and Metric Conversions
- Explore and Apply knowledge of Geometry and Volume (Polygons, Triangles, Quadrilaterals, Properties, Rectangular Prisms)

## Reading

- Define and understand text vocabulary
- Identify different genres (Fiction, Nonfiction, Historical Fiction, Biography, Poetry, Tall Tales, Folktales, Fables, Realistic Fiction, Autobiography, Photo Essay, Play/Drama, Science Fiction)
- Understand and identify themes of stories
- Analyzing word parts (Prefix, Suffix, Roots)
- Define and identify Narrative Elements of a story
- Compare and contrast story characters
- Distinguish between Fact and Opinion
- Illustrate and understand Graphic Aids used in text
- Differentiate between Connotation and Denotation of vocabulary
- Draw Conclusions from passages and stories
- Summarize and Paraphrase information from given text
- Identify Main Ideas and Details from passages and text
- Compose Constructed Responses with a beginning, middle, and end
- Classify and Categorize Word Relationships

# Fifth Grade

- Identify the Author's Purpose of stories
- Define the Cause and Effect of passages

## English

- Understand and use 6 Traits+1 Writing Process
- Write Persuasive/Opinion, Informational, and Narrative essays using the 6 Traits+1 Writing Process
- Define and identify different parts of speech (Nouns, Verbs, Adjectives, Adverbs, Pronouns, Prepositions, Conjunctions, Interjections)

## Science

- Understand that plants are living things
- Identify plant cells and plant reproduction
- Classify and categorize plants
- Identify parts of our Solar System
- Classify planets according to characteristics
- Describe the Life of a Star
- Explain energy transfer
- Understand the basic concepts of a Simple Machine
- Describe Populations and Ecosystems of living and nonliving things
- Explain differences of minerals, properties of rock, and the layers of Earth

- Describe how light travels
- Explain how sound is produced, moved, amplified, and transmitted
- Understand Movement and Control of the human body
- Describe how skeleton and muscles work
- Explain how the brain works and the five senses
- Be aware of the effects of drugs on the body

## Social Studies

- Explore the Early Life, Eastern and Western Hemispheres
- Compare Connections Across the Continents
- Examine Colonial Life in North America
- Identify and locate the New England, Middle, and Southern Colonies
- Explore causes and outcomes of The American Revolution
- Identify Life in the New Nation under our new government
- List and describe our government and its three branches. (Legislative, Judicial, Executive)
- Discover the Growth of our New Nation
- Design and Create unit projects

# Sixth Grade

## Math

### A. The Number System

1. Divide Multi-Digit Numbers
2. Prime Factorization
3. Least Common Multiple and Greatest Common Factor
4. Add, Subtract, Multiply, and Divide Decimals and Fractions
5. Compare and Order Fractions and Decimals
6. Multiply Fractions and Mixed Numbers
7. Simplify Factors
8. Model Fraction and Mixed Number Division
9. Estimate Quotients
10. Divide Fractions and Mixed Numbers

### B. Rational Numbers

1. Understand Positive and Negative Numbers
2. Compare and Order Integers
3. Focus on Rational Numbers and the Number Line
4. Compare and Order Rational Numbers
5. Understand Absolute Value and Compare Values
6. Focus on Rational Numbers and the Coordinate Plane
7. Understand Ordered Pair Relationships and Distance on a Coordinate Plane

### C. Ratios and Rates

1. Determine Equivalent Ratios
2. Use Tables to Compare Ratios and Problem Solve
3. Link Equivalent Ratios to Algebra
4. Find Unit Rates and Link to Algebra Concepts
5. Explore Graphs and Equivalent Ratios

### D. Percents

1. Write Percents as Fractions and Decimals
2. Write Fractions and Decimals as Percents
3. Problem Solving with Percents
4. Find the Whole from a Percent

### E. Measurement

1. Convert Units of Length, Capacity, Weight, and Mass
2. Transform Units
3. Problem Solve with Distance, Rate, and Time Formulas

### F. Algebra

1. Evaluate Expression with Exponents
2. Write and Evaluate Expressions and Formulas
3. Generate and Identify Equivalent Expressions
4. Solve and Write Addition, Subtraction, Multiplication, and Division Equations
5. Write and Graph Inequalities
6. Work with Dependent and Independent Variables

### G. Area and Surface Area

1. Use Formulas to Compute Area of Parallelograms, Triangles, and Trapezoids
2. Find the Area of Regular Polygons and Composite Figures
3. Investigate Surface Area using Nets
4. Use Formulas to Calculate Surface Area of Prisms and Pyramids
5. Volume of Rectangular Prisms

### H. Data

# Sixth Grade

1. Recognize Statistical Questions
2. Use Dot Plots, Frequency Tables, and Histograms
3. Investigate Mean, Measures of Center, and Outliers
4. Analyze Patterns in Data
5. Work with Box Plots and Variability
6. Problem Solve with Misleading Statistics

## Reading

### A. Unit One

1. Narrative Elements
2. Biography/Visual Arts
3. Make Judgements
4. Prefixes, Suffixes and Roots

### B. Unit Two

1. Narrative Elements
2. Literary Devices
3. Summarize and Paraphrase

### C. Unit Three

1. Text Structure: Main Idea and Details
2. Graphics Aids
3. Prefixes, Suffixes, and Roots

### D. Unit Four

1. Realistic Fiction/Performing Arts
2. Word Relationships
3. Text Structure: Compare and Contrast

### E. Unit Five

1. Draw Conclusions
2. Author's Purpose and Perspective
3. Word Relationships

### F. Unit Seven

1. Text Structure: Cause and Effect
2. Fact and Opinion
3. Draw Conclusions

## English Language Arts

### A. Sentences and Personal Narrative

1. Sentences and Sentence Fragments
2. Kinds of Sentences
3. Combining Sentences
4. Punctuating Sentences
5. Complete Subjects and Predicates
6. Simple Subjects and Predicates
7. Compound Subjects and Predicates
8. Writing a Personal Narrative
  - a. Pre-write
  - b. Research and Inquiry
  - c. Draft
  - d. Revise
  - e. Proofread
  - f. Publish

### B. Nouns and Writing that Compares

1. Nouns
2. Singular and Plural Nouns
3. Common and Proper Nouns
4. Possessive Nouns
5. Appositives
6. Writing that Compares
  - a. Pre-write
  - b. Research and Inquiry
  - c. Draft
  - d. Revise

# Sixth Grade

e. Proofread

f. Publish

## C. Verbs and Explanatory Writing

1. Action Verbs
2. Direct and Indirect Objects
3. Verb Tenses
4. Subject-Verb Agreement
5. Main and Helping Verbs
6. Progressive Forms
7. Perfect Tenses
8. Linking Verbs
9. Irregular Verbs
10. Explanatory Writing
  - a. Pre-write
  - b. Research and Inquiry
  - c. Draft
  - d. Revise
  - e. Proofread
  - f. Publish

## D. Adjectives and Expository Writing

1. Adjectives
2. Articles: a, an, the
3. Demonstrative Adjectives
4. Comparative and Superlative Adjectives
5. Comparing with More and Most
6. Comparing with Good and Bad
7. Combining Sentences
8. Expository Writing
  - a. Pre-write
  - b. Research and Inquiry

c. Draft

d. Revise

e. Proofread

f. Publish

## E. Pronouns and Story Writing

1. Personal Pronouns
2. Pronouns and Referents
3. Subject and Object Pronouns \ Combining Sentences
4. Indefinite Pronouns
5. Pronoun-Verb Agreement
6. Possessive Pronouns
7. Story Writing
  - a. Pre-write
  - b. Research and Inquiry
  - c. Draft
  - d. Revise
  - e. Proofread
  - f. Publish

## F. Adverbs, Prepositions and Persuasive Writing

1. Adverbs that Modify Verbs
2. Adverbs that Modify Adjectives and Adverbs
3. Comparing with Adverbs
4. Negatives
5. Prepositions
6. Prepositional Phrases
7. Prepositional Phrases as adjectives
8. Prepositional Phrases as Adverbs
9. Interjections
10. Combining sentences

# Sixth Grade

## 11. Persuasive Writing

- a. Pre-write
- b. Research and Inquiry
- c. Draft
- d. Revise
- e. Proofread
- f. Publish

## Science

- A. Biomes and Ecosystems
  1. Explore the nature of an ecosystem
  2. Define energy and matter in an ecosystem
  3. Compare and explain the different kinds of ecosystems
- B. The nature of matter
  1. Classify matter
  2. Define different kinds of matter
  3. Explain how matter changes
- C. Ocean Water
  1. Recognize the properties of ocean water
  2. Explore the parts of the ocean floor
  3. Define the parts of moving ocean water
  4. Explore ocean resources
- D. Forces and Motion
  1. Define Speed
  2. Describe gravity and its effects
  3. Analyze and calculate how motion is measured
  4. Explore real world forces
- E. The Changing Earth
  1. Evaluate and define the properties of the Earth's crust

2. Define tectonic plates and mountains
3. Explore volcanoes
4. Explore earthquakes

## F. Cells and Microbes

1. Define cells
2. Explain how cells make more cells
3. Define and explore protists and fungi
4. Define and explore bacteria and viruses
5. Evaluate how bacteria and viruses effect other living things

## Social Studies

- A. An expanding nation
  1. Explore railroads and construction
  2. Discover and assess pioneer life
  3. Explore and define the lives of cowboys and miners
  4. Discuss war in the west
- B. Industry and Immigration
  1. Explore and define inventors
  2. Discuss the rise of big business
  3. Define and assess the lives of immigrants
  4. Discuss Ellis and Angel Islands
  5. Define and evaluate the labor movement
- C. Changing ways of life
  1. Evaluate and explore rural life
  2. Explore growing cities and city life
  3. Define segregation, prejudice, and unequal opportunities
  4. Explore and define women's rights
- D. The United States becomes a world power

# Sixth Grade

1. Evaluate U.S. expansion overseas
2. Explore the Panama Canal
3. Explore the progressive movement

## E. World War I

1. Explore and discuss fighting in Europe
2. Define and discuss the draft
3. Evaluate the new technologies with WW I
4. Explore the treaties to end WW I

## F. Prosperity

1. Explore and discuss new industries
2. Evaluate the automobile
3. Explore mass media
4. Define and discuss prohibition
5. Explore and discover the jazz age

## G. Depression Era

1. Define and evaluate the stock market crash
2. Explore the ideas of FDR
3. Define and explore the "New Deal"
4. Define and discuss the "Dust Bowl"

## H. WW II

1. Define dictator
2. Evaluate Hitler and Mussolini
3. Define and explore the Axis and Allies Powers
4. Define and discuss the draft
5. Explore the home front
6. Define jobs for women
7. Define and explore new technologies
8. Define and explore the Holocaust



# Speech

- Universal articulation and language screenings for students from Kindergarten thru third grade.
- Completion of speech and language screening and evaluation to determine if speech and language deficits have a negative impact in the classroom setting.
- Speech and language evaluations for those students who receive speech and language support through Early Intervention Programming as they transition into Kindergarten.
- Provide speech and language support through the Multi-Tiered System of Support Model.
- Develop and implement goals for those students identified as having an educational speech and/or language need through their Individualized Education Program (IEP) in the communication areas of:
  - Speech
    - *Articulation*
      - *Target age developmental sounds for effective communication in the classroom setting in an age appropriate manner and improve how the student's speech is understood by his peers and teachers.*
      - *Target age developmental sounds to reinforce letter sound relationships, phonemic writing skills, and phonological awareness skills that impact the student's reading and writing development.*
    - *Fluency*
      - *Provide strategies for fluent speech.*
  - Language
    - Receptive and Expressive Language Skills to improve the student's understanding and use of vocabulary, grammar, and phonological awareness skills.
    - Develop and provide strategies for social skills in the school setting.
- Provide therapy through:
  - *Push-In Model:* The speech therapist will provide support in the classroom setting.
  - *Pull-Out Model:* The speech therapist will provide support outside of the classroom setting.
  - *Teacher Consult:* The speech therapist will consult with the student's teacher to provide strategies in the classroom setting and monitor the students skills while in the classroom.

# Art

## Kindergarten

- Use lines and shapes to create drawings
- Utilize the entire space of the picture plane
- Color and paint in the same direction within spaces or lines
- Learn and develop proper painting techniques
- Discover the importance of illustrations through literature based projects
- Identify primary colors and secondary colors
- Identify warm and cool colors
- Experiment with multiple art mediums to create works
- Create two self-portraits using shapes to show progression
- Refine fine motor skills by cutting and tearing paper for collage

## First Grade

- Understand how lines create shapes
- Create artworks using patterns
- Review primary colors and create the secondary colors
- Use the elements line, shape and color to create artworks
- Identify and draw multiple types of lines in personal works and the works of others
- Identify foreground, middle ground and background
- Create a self-portrait using shapes
- Learn and use art vocabulary

- Critique and discuss illustrations and artworks of others

## Second Grade

- Use the elements line, shape, color, pattern and texture to create artworks
- Create a self-portrait
- Use a variety of media and techniques to create works
- Identify and describe primary, secondary, warm and cool colors
- Use and maintain painting materials properly
- Draw and identify geometric and free form shapes
- Review and extend art vocabulary
- Critique and discuss personal and famous artworks

## Third Grade

- Understand geometric, free-form, flat and three-dimensional shapes
- Use and define complimentary colors
- Review the elements learned previously and begin understanding contrast, space, and movement
- Practice and master different overlapping techniques
- Use a variety of materials to discover different painting techniques
- Review and extend art vocabulary
- Critique and compare a variety of artworks from different time periods
- Identify different mediums used by other artists
- Create a self-portrait

# Art

## Fourth Grade

- Use, understand and identify the seven elements of art
- Understand and use different printmaking processes
- Identify and compare realistic and abstract works of art
- Identify and describe the primary, secondary, and intermediate colors
- Study Pennsylvania artists and create artworks inspired by their works
- Use a variety of art mediums with proper care and technique
- Review and extend art vocabulary
- Create a self-portrait

## Fifth Grade

- Identify and learn and use different color schemes in artworks
- Create and use a value scale for a black and white drawing with a variety of tints and shades
- Use primary color paints to mix the secondary and intermediate colors
- Organize colors to create a color wheel

- Create the illusion of depth on a two-dimensional surface using one-point perspective
- Describe and recognize different art mediums and processes
- Critique and compare artworks from different time periods
- Review and extend art vocabulary
- Create a self-portrait

## Sixth Grade

- Critique artworks by describing the artist's process and emotions
- Identify artworks in different perspectives and create an artwork from a point of view
- Review value concepts by creating a monochromatic artwork
- Use different types of paints to create a variety of paintings
- Create mixed media projects and identify works of art that are multimedia
- Make independent choices on subject and media for personal works
- Review and extend art vocabulary
- Create a self-portrait

# Band

## Fifth Grade Instrumental Music

- Demonstrate beginning instrumental skills such as proper way to assemble instruments, proper hand and finger placement, proper posture, and proper breath control
- Demonstrate fingerings on instruments, associate those fingerings with a letter name and with notation on the staff
- Demonstrate rhythms in simple meters of four-four time and three-four time; use breath control and tonguing to perform rhythms with quarter notes, half notes and whole notes and their corresponding rests
- Perform songs at an appropriate level

## Sixth Grade Instrumental Music

- Review and refine instrumental skills such as proper hand and finger placement, proper posture, and proper breath control
- Continue to learn new fingerings and associate those fingerings with correct letter names and staff notation
- Continue to perform rhythms in simple meters; use breath control and tonguing to perform rhythms with quarter notes, half notes and whole notes and their corresponding rests, perform rhythms with eighth notes and sixteenth notes
- Improve tone through proper embouchure and breath control
- Perform various articulations such as legato, staccato, slurs, and accents
- Perform more complicated music with the addition of various textures



# Library

## Kindergarten

- Recognize a variety of book authors and illustrators
- Select age and interest appropriate print materials for recreational reading
- Respond to a wide array of literature
- Compare and contrast informational and storytelling books
- Discuss story sequencing
- Formulate research questions

## First Grade

- Recognize a variety of book authors and illustrators
- Select age and interest appropriate print materials for recreational reading
- Respond to a wide array of literature
- Compare and contrast informational and storytelling books
- Discuss story elements and sequencing
- Formulate research questions and conduct research with print sources

## Second Grade

- Recognize a variety of book authors and illustrators
- Select age and interest appropriate print materials for recreational reading
- Respond to a wide array of literature and identify key details from a story
- Refine understanding of story elements and sequencing
- Introduce dictionary skills (print and online)

- Formulate research questions, conduct research with print sources, and record facts

## Third Grade

- Recognize a variety of book authors and illustrators
- Select age and interest appropriate print materials for recreational reading by using Follett Destiny's Online Public Access Catalog
- Respond to a wide array of literature, identify key details from a story including the main idea
- Introduce text features such as table of contents and glossary etc.
- Refine dictionary skills, and introduce thesaurus (print and online)
- Produce personal narrative writing sample
- Formulate research questions, conduct research with print sources, and record facts
- Apply knowledge of text features to create 'United States Travel Brochure' research project

## Fourth Grade

- Recognize a variety of book authors and illustrators
- Select age and interest appropriate print materials for recreational reading by using Follett Destiny's Online Public Access Catalog
- Respond to a wide array of literature, identify key details from a story including the main idea and theme
- Refine understanding of text features such as table of contents and glossary etc.

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# Library

- Refine dictionary and thesaurus skills; introduce almanac (print and electronic)
- Introduce online Encyclopedia Britannica database
- Introduce website evaluation
- Produce explanatory/informational writing sample
- Formulate research questions, conduct research with print and electronic sources, and record facts
- 'Apply knowledge of inferences to create 'Restaurant Impossible' research project

## **Fifth Grade**

- Recognize a variety of book authors and illustrators
- Select age and interest appropriate print materials for recreational reading by using Follett Destiny's Online Public Access Catalog
- Respond to a wide array of literature, identify key details from a story including the main idea, theme, and figurative language
- Refine understanding of text features such as table of contents and glossary etc.
- Refine dictionary, thesaurus, and almanac skills (print and electronic); introduce other online ready reference sources
- Refine use of online Encyclopedia Britannica database
- Refine website evaluation
- Produce persuasive writing sample
- Formulate research questions, conduct research with print and electronic sources, and record facts

- 'Living museum' biography research project Apply knowledge of summarizing print and electronic sources to create 'Living Museum' biography research project

## **Sixth Grade**

- Recognize a variety of book authors and illustrators
- Select age and interest appropriate print materials for recreational reading by using Follett Destiny's Online Public Access Catalog
- Respond to a wide array of literature, identify key details from a story including the main idea, theme and figurative language
- Refine understanding of text features such as table of contents and glossary etc.
- Refine dictionary, thesaurus, and almanac skills (print and electronic); introduce other online ready reference sources
- Refine use of online Encyclopedia Britannica database
- Refine website evaluation
- Produce argumentative writing sample
- Formulate research questions, conduct research with print and electronic sources, and record facts using outline formation and proper citation
- Apply knowledge of summarizing and paraphrasing print and electronic sources to create 'New York Landmark' research project

# Music

## Kindergarten

- Demonstrate basic skills through a variety of musical activities, including singing, playing various percussion instruments, movement, dance and listening to music
- Emphasis placed on beat recognition through introduction of quarter notes and rests, rhythmic movement exercises and songs
- Introduction of general concepts of music such as *verse* and *refrain*
- Prepare students for experiences as both performer and audience member

## First Grade

- Demonstrate basic skills pertaining to music through a variety of musical activities including, but not limited to, singing, playing various instruments, movement, dance and listening to music
- Emphasis placed on beat recognition through the continued use of quarter notes and rests and the addition of half notes, half rests, whole notes and whole rests
- Continued advancement in the general concepts of music
- Continued preparation of student experiences and skills as both a

performer and appropriate audience member

## Second Grade

- Demonstrate basic skills pertaining to music through a variety of musical activities including, but not limited to, singing, playing various instruments, movement, dance, different cultures, languages and listening to music
- Continued emphasis placed on beat recognition through the use of quarter, half, whole notes and rests
- Identify families of musical instruments and begin identification of various styles of music
- Continued advancement in the general concepts of music and growth as a performer and appropriate audience member

## Third Grade

- Demonstrate more complex skills pertaining to music through a variety of musical activities including, but not limited to, singing, playing various instruments, movement, dance, different cultures, languages and listening to wider genre of music
- Continued emphasis placed on beat recognition through the use of simple

# Music

- meter, in addition to the introduction of ties and dotted notes
- Use more specific music vocabulary, recognize form and structure, time signatures and begin specific notation
- Introduction to playing an instrument through the use of recorders
- Connect music to other academic subjects such as math, social studies, geography, science and language arts
- Continued advancement in the general concepts of music and growth as a performer and appropriate audience member

## Fourth Grade

- Build on skills acquired in grades k-3, additional emphasis placed notation, dynamics, texture and text setting. Continued use of the recorder
- Continue to recognize connections between the study of music and other academic disciplines
- Develop listening and analytical skills
- Develop broader appreciation for music from other cultures
- Continued advancement in the general concepts of music and growth as a performer and appropriate audience member

## Fifth Grade

- Continue to build on skills acquired in previous grades. Continue further development in specific music notation, form, meter, texture, tonality and expressive qualities of music
- Use recorder and variety of instruments in the classroom
- Continue to develop a broad appreciation for music from other cultures and in other languages
- Understand and employ where possible the varied role musicians have in the arts
- Continued advancement in the general concepts of music and growth as a performer and appropriate audience member

## Sixth Grade

- Students will apply and continue to develop skills acquired in previous grades. Continue further development in specific music notation, form, meter, texture, tonality and expressive qualities of music
- Reserve the option to continue use of the recorder
- Evaluate quality and effectiveness of music performances and compositions



# Music

- Begin basic music history and overview of prominent composers from the Baroque to Contemporary Era
- Understand the roll of the musician in the arts, continue to develop skills as a performer and an educated audience member



# Physical Education

The K-3 grade physical education program is designed to give all students a positive experience with movement and physical activity. Fundamental skill development, physical fitness, cooperation, and good sportsmanship are taught throughout the course of the school year.

- Listening and space awareness games
- Loco motor skills (run, walk, skip, gallop, hop, leap and sliding)
- Exploration of a variety of equipment by the use of multiple centers (Balls, jump ropes, scooters, etc.)
- Manipulation skills and related games and activities (Balloons, beanbags, tennis balls, etc.)
- Soccer skills and related games
- Parachute and Rhythm Games

The main focus of the 4-6 grade physical education program is designed to equip students with the fundamental skills, knowledge, and behavior/social skills common for a variety of lifelong activities. We believe that classes should be based on activities that promote fun and learning. By participating in a variety of enjoyable physical activities, our goal is to help students discover the benefits of living a healthy and active lifestyle.

- Soccer
- Fundamental football skills: throwing, catching, kicking, punting, etc.
- Cooperative Games
- Badminton
- Beach ball Volleyball



# Technology

## Kindergarten

- Identify basic computer parts
- Learn and use basic computer terminology
- Log on and off the computer using specific usernames/passwords
- Identify and locate letter key a-z on the keyboard
- Introduce and emphasize keys: enter, caps lock, space bar, backspace
- Type simple words
- Maximize window screens
- Open a web browser and access age appropriate web pages
- Online behavior with Good Netiquette
- Open and close programs
- Use the Start Menu

## First Grade

- Review concepts and continue practicing skills from previous grade
- Introduce and emphasize key: shift
- Type using two hands on the keyboard
- Perform common operations: open, close, save and print
- Type sentences with proper capitalization and punctuation
- Insert images onto documents
- Format text using font size
- Internet Safety concepts

## Second Grade

- Review concepts and continue practicing skills from previous grade

- Minimize and restore window screens
- Awareness of proper placement on the home row keys
- Awareness of proper posture when keyboarding
- Type multiple sentences using proper capitalization and punctuation
- Format text using: font, font size, bold, underline, italics
- Copy, cut and paste images/text on a document
- Internet Safety
- Use a search engine to perform a simple search
- Select an appropriate web page from search results

## Third Grade

- Review concepts and continue practicing skills from previous grade
- Demonstrate and use proper placement on the home row keys consistently
- Emphasis on keyboarding accuracy
- Introduce and practice using proper finger reaches
- Demonstrate proper posture when keyboarding
- Utilize spellcheck
- Change page orientation (portrait/landscape)
- Use Drawing tools to create original images for documents
- Internet Safety concepts and Cyberbullying

## Fourth Grade

- Improve skills from previous grade
- Enhance keyboarding skills and posture
- Concentrate on typing without looking at hands
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# Technology

- Create simple presentations using design, transitions, animations and images
- Create spreadsheets using key terms: cells, columns, rows
- Insert bar and pie graphs to spreadsheets
- Internet Safety concepts and Private Information
- Introduce to the term copyright and issues surrounding it
- Conduct research using search engines

## **Fifth Grade**

- Improve skills from previous grade
- Enhance keyboarding accuracy and posture
- Concentrate on typing without looking at hands
- Include video and audio to presentations

- Present information to classmates using a presentation tool as an aid
- Cite sources used for research
- Use simple addition and multiplication formulas in spreadsheets
- Sort data in spreadsheets
- Format cells based on data (currency, comma style)
- Introduction and usage Web 2.0 tools
- Online Safety and Cyberbullying

## **Sixth Grade**

- Improve skills from previous grade
- Improve keyboarding accuracy and posture
- Concentrate on typing without looking at hands
- Introduction and usage Web 2.0 tools
- Collaborate using Web 2.0 tools
- Introduction to basic computer coding
- Online Safety and Cyberbullying

## Karns City School District Mission Statement

The mission of the Karns City Area School District, together with the community, is to provide a quality education, in a safe, caring environment, which enables the student to become a lifelong learner and a responsible member of the family and society.

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