

# BA Elementary Curriculum

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## 1<sup>st</sup> Grade

### Language Arts

#### *Phonics, Reading, and Language*

- Identify selected vocabulary
- Use print awareness concepts
- Identify initial , medial, and final consonant sounds
- Identify consonant blends and digraphs
- Identify short, long, and special vowel sounds
- Identify vowel diphthongs and digraphs
- Identify prefixes, suffixes, and syllables
- Recognize and use First Grade Dolch Sight Words
- Demonstrate phonemic awareness by isolation, deletion, adding phonemes, onsets, and rhymes
- Identify compound words, rhyming words, and contractions
- Alphabetize words using the second letter
- Recognize and write complete sentences
- Use correct punctuation at the end of sentences
- Write short stories and daily journal entries
- Use different strategies to decode words
- Identify the story elements

- Use context clues to decode and comprehend
- Categorize stories as fiction or non-fiction
- Identify main idea and details
- Follow oral and written directions
- Identify and use comprehension strategies ( cause and effect, drawing conclusions, fact/opinion, prediction and summarizing )
- Guided creative writing using the writing process
- Guided creative writing in journals
- Read passages fluently
- Apply proper use of grammar for written and spoken communication

#### *Spelling*

- Weekly phonics- based Spelling word lists
- Correctly spell first grade sight words as introduced
- Use correct spelling in dictation sentences
- Use correct spelling in journal and writing, based on skills taught

#### *Manuscript Writing*

- Use proper letter formation in all daily work

### History and Geography

- This is My America
  - My America's Flag
  - My America' Freedom
  - Symbols of My America
  - Great People of America
  - My America Grows
  - My America Talks
  - My America Travels
  - My America Is Beautiful
  - My America Sings
- This Is My World
  - Mexico, Peru, Virgin Islands, Puerto Rico, Bahamas, England, the Netherlands, Norway, France, Germany, Switzerland, Italy, Israel, Egypt, Kenya, India, China, Australia, Guam, American Samoa

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## Arithmetic

- Count, write, and recognize numerals to 120
- Recognize even and odd numbers
- Understand and use correctly math symbols ( +, -, =, >, < )
- Skip count by 2's, 5's, and 10's
- Demonstrate fluency for addition and subtraction within 10
- Recognize the relationship between addition and subtraction
- Add and subtract within 20, showing appropriate strategy to solve word problems
- Addition using missing addends to 20
- Add three addends using different strategies
- Add and subtract two-digit numbers without regrouping
- Compare two-digit numbers using place value with symbols ( >, <, = )
- Order three two-digit numbers
- Recognize ordinal numbers to 12
- Recognize and count or combine pennies, nickels, dimes, and quarters to \$ 1.00
- Identify, compare, and sort plane shapes and solid shapes
- Identify fractions by halves, thirds, and fourths, equal and unequal parts
- Identify fractions using sets of objects
- Read and write time to hour and half-hour , and elapsed time
- Organize and interpret data on various graphs
- Measure using non-standard and standards units in length, capacity, and weight
- Read a thermometer
- Create repeat patterns
- Use a calendar correctly
- Identify and use tally marks
- Recognize opened and closed figures
- Recognize sides and corners of plane figures
- Round numbers to the nearest ten

## Science

### *Life Science*

Learning about Living Things  
Parts of a Plant  
The Many Places Plants Live  
All Kinds of Animals  
Animals Grow and Change  
Places Animals Live  
Parts of the Body  
Food and Your Body

### *Earth and Space Science*

What Earth Looks Like  
Rocks and Soil  
Polluting the Earth  
Weather All Around Us  
Spring and Summer  
Fall and Winter  
Using the Sun's Energy  
Shadows and Light

### *Physical Science*

Solids and Liquids  
Matter Can Change  
On the Move  
Magnets  
Sound

In first grade, we put a lot of emphasis on phonics and reading skills so that every child will have a good background in reading. We also teach many math concepts and skills to prepare them for the next level of learning. The skills in all of the subject areas are taught to provide a foundation for the next grade level.

**Electives: (See Appendix)**

# BA Elementary Curriculum

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## 2<sup>nd</sup> Grade

### Language Arts

#### *Phonics and Reading*

- Identify selected vocabulary
- Identify synonyms
- Identify antonyms
- Identify homonyms and homophones
- Use context clues
- Identify story elements such as Characters, Setting, and Plot
- Categorize stories as fiction or non-fiction
- Listen for details
- Dictionary skills
- Follow oral and written directions
- Read orally with expression
- Cause-effect
- Draw conclusions
- Fact-opinion
- Sequence
- Main Idea/Details
- Prediction
- Summarizing
- Print awareness
- Initial consonants
- Final consonants
- Short Vowels
- Long Vowels
- Blend CVC and other patterns
- Recognize non-decodable words (sight words)
- Decode medial consonants
- Consonant digraphs
- Vowel digraphs
- Diphthongs
- Root Words
- Prefixes
- Suffixes
- Vowel Patterns

#### *Language*

- Sentences: word order, type, structure, and parts
- Identify nouns
- Identify verbs
- Identify pronouns
- Identify adjectives
- Identify adverbs
- Composition (writing process)
- Capitalization of first word in a sentence, people, days of the week, cities, states, countries, holidays, and months
- Punctuation at the end of sentences
- Creative writing using the writing process
- Identify compound words
- Identify prefixes and suffixes

#### *Cursive Writing*

- Cursive letter formation
- Guided creative writing using the writing process
- Creative writing journal
- Daily seatwork practice in all academic areas

#### *Spelling*

- Weekly phonics-based word list
- Weekly test

# BA Elementary Curriculum

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## History and Geography

*America, Our Home*  
Our Flag  
Our Patriotic Holidays  
Our Songs

*The People Who Built America*  
The Separatists  
America's Indians  
The Colonists

*Tomorrow's America*  
America's Pioneers  
America's Cowboys  
The New Americans

## Arithmetic

- Number recognition, counting, and writing 1 to 1,000 and beyond
- Numbers Greatest and least 1-1,000
- Counting and writing to hundred thousands, threes to 36, fours to 48
- Ordinal numbers
- Addition facts through 18, column addition, four-digit addition with carrying
- Subtraction facts through 18, four-digit subtraction with borrowing
- Multiplication facts 0-5
- Division facts 1-5
- Story Problems
- Multiple combinations
- Estimation
- Numbers before and after by ones, twos, threes, fours, fives and tens
- Counting and combining coins and bills
- Telling time to the nearest minute
- English and some metric measures
- Drawing and measuring lines to one-half inch
- Developing listening skills
- Calendars
- Place value to thousands
- Unit fractions
- Making change
- Reading a thermometer
- Reading pictographs, bar graphs, and line graphs
- Roman numerals

## Health, Safety, Manners

*Health*  
Posture  
Nutrition  
Exercise  
Rest  
Cleanliness  
Diseases

*Safety*  
At home and away from home  
On Streets  
Around water  
During bad weather

*Manners*  
Politeness  
Kindness  
Cheerfulness  
Respect  
Thoughtfulness  
Thankfulness  
Patience

## Science

*Life Science*  
Plants and Their Parts  
Animal Groups  
Living Things and Their Habitats  
Predators and Prey  
Organs and Body Systems  
How We Move

*Earth and Space Science*  
Parts of Earth  
Soil  
Earth's Water  
Weather  
The Water Cycle  
Day and Night  
The Moon

*Physical Science*  
Describing Matter  
Liquids and Gases  
Matter Changes  
Forces  
Exploring Magnets  
Light  
Sound

**Electives: (See Appendix)**

# BA Elementary Curriculum

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## 3<sup>rd</sup> Grade

### Language Arts

#### *Phonics and Reading*

- Review of all phonics rules
- Oral reading
- Reading comprehension

#### *Language – Writing Process*

- Complete sentences
- Punctuation and capitalization rules
- Creative writing, friendly letters
- Compare/contrast two texts
- Identify cause and effect
- Arrange events in sequential order
- Use text features to demonstrate understanding
- Determine main idea of fiction/nonfiction text
- Determine fact or opinion

#### *Grammar*

- Recognition of simple nouns, subjects, verbs, adjectives, adverbs, and pronouns
- Subject-verb agreement
- Word usage
- Forming plurals and possessive nouns
- Recognition of antonyms, homonyms, synonyms
- Dictionary skills

#### *Cursive Writing*

- Cursive writing formation 3/4 – space high
- Creative writing

#### *Spelling*

- Weekly word list with vocabulary
- Sentence dictation using spelling words
- Reinforcement activities

### History and Geography

- Continents and oceans of the world
- Study of world geography
- State of the United States
- *Study of our American heritage through the lives of great people*

### Arithmetic

- Recognition of the place value of numbers
- Addition facts and checking addition problems with carrying
- Subtraction facts and checking subtraction problems with borrowing
- Multiplication tables 0-12 and Multiplication problems with carrying
- How to show a multiplication fact six ways
- Division tables 1-12 and working and checking a division problem
- Terminology for four processes
- English and Metric Measures
- Telling time
- Roman numerals 1-1,000
- Using a ruler
- Solving story problems with up to four steps
- Recognizing and solving number sentences
- Converting measures and solving measurement equations
- Recognizing and working with greater than (>) and less than (<)
- Counting money and solving money problems using the decimal point correctly
- Solving problems containing parenthesis
- Fraction terminology and basic understanding of fractions

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## **Arithmetic (Continued)**

- Reading a thermometer
- Recognizing geometric shapes
- Finding the unknown number in an equation
- Decimals
- Graphs
- Mean, median, and mode

## **Science**

### **Life Science**

Organisms and Their Needs  
Environments  
Adaptations  
Plants, Animals, and Food Chains  
Adults and Young  
Body Systems and Cells

### **Earth and Space Science**

Soil, Pollution, and the Environment  
Earth Changes  
Fossil Records  
The Weather  
Objects in the Sky

### **Physical Science**

Properties of Matter  
Physical Changes  
Forces and Simple Machines  
Potential and Kinetic Energy  
Vibration Waves  
How Light Travels

**Electives: (See Appendix)**

# BA Elementary Curriculum

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## 4<sup>th</sup> Grade

### Language Arts

#### *Reading and Literature*

- Oral reading
- Reading comprehension
- Vocabulary building

#### *Penmanship*

- Review of Cursive writing formation through skill practice, word games, original composition, and sentence dictation

#### *Spelling*

- Weekly word list with challenging words and vocabulary
- Reinforcement activities

#### *Language – Writing Process*

- Sentence structure, kinds of sentences, punctuation, capitalization facts, abbreviations, possessive words
- Writing with details
- Creative writing
- Dictionary skills

#### *Grammar*

- Recognizing and using all eight parts of speech
- Diagraming verbs, nouns, pronouns, adjectives, adverbs
- Correctly using troublesome words

### History and Geography

Map study

State History for Six Weeks

Eight documents memorized

The Years of Discovery

The Years of Exploration

The First Americans

The Middle and Southern Colonies

A Picture of Colonial Life

The Great Awakening

The French and Indian War

The American War for Independence

Building a New Nation

The Civil War

New Frontiers

An Age of Progress

Beyond our Boundaries

The World Wars

The New England Colonies

### Arithmetic

#### *Place Value*

- Thousands
- Millions
- Estimate
- Compare and order
- Money
- Rounding

#### *Statistics and probability*

- Pictographs
- Bar graphs
- Line graphs
- Surveys and line plots
- Circle graphs

#### *Multiply by 1 and 2 digit numbers*

- Multiplication properties
- Front end estimation

#### *Divide by 1 digit*

- Division rules
- Missing numbers
- Number patterns
- Number patterns
- 2 digit quotients
- 3 digit quotients
- Zero in quotients

#### *Fractions*

- Number line
- Equivalent fractions
- Factors
- Lowest terms
- Compare fractions
- Add fractions: like denominators
- Subtract fractions: like denominators

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## Arithmetic (Continued)

### *Fractions*

- Improper fractions
- Add and subtract mixed numbers
- Add and subtract unlike denominators

### *Geometry*

- Points lines and line segments
- Rays and angles
- Parallel and perpendicular lines
- Circles
- Polygons
- Quadrilaterals
- Triangles

## Science

### **Life Science:**

#### Exploring the Characteristics of Cells

- Identifying biology as the study of life
- Using a microscope to observe a specimen
- Identifying parts of a microscope
- Describing functions of structures in cells
- Identifying characteristics of eukaryotic cells
- Identifying characteristics of prokaryotic cells
- Classifying organisms into domains

#### Examining and Classifying Plants

- Describing the function of vascular tissues
- Describing how plants make their own food
- Describing ways plants reproduce
- Identifying the steps of the scientific method
- Describing gymnosperms
- Describing angiosperms

#### Investigating Characteristics of Animals

- Identifying vertebrates and invertebrates
- Identifying characteristics of vertebrates
- Describing the life cycle of vertebrates
- Identify animals that are invertebrates
- Identifying and describing mollusks
- Identifying characteristics of arthropods
- Identifying characteristics of insects
- Describing the metamorphosis of insects
- Classifying animals according to what they eat
- Describe how animals obtain energy

#### Examining Ecosystems

- Identifying characteristics of ecosystems
- Describing producers, consumers, and decomposers in an ecosystem
- Identifying producers and consumers in a food chain.
- Describing food webs

### Examining Ecosystems: (Continued)

- Describing symbiotic relationships between organisms
- Identifying inherited physical characteristics of plants and animals
- Identifying physical adaptations of plants and animals

### **Physical Science:**

#### Investigating Electricity

- Identifying sources of electricity
- Describing static and current electricity
- Observing and describing a dry cell battery and electrical wire
- Examining an incandescent light bulb
- Making a closed circuit
- Testing materials to determine if they are conductors or insulators of electric current
- Using a switch to open or close a circuit
- Identifying characteristics of a series circuit
- Making a series circuit
- Identifying characteristics of a parallel circuit
- Making a parallel circuit
- Making an electromagnet

#### Exploring Energy

- Describing Energy
- Describing kinetic energy
- Describing potential energy
- Observing the conversion of energy
- Identifying characteristics of sound
- Describe how musical instruments produce sound
- Describing radiant energy



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### Physical Science: (Continued)

- Describing visible light
- Describing how the Earth's rotation causes shadows
- Describing heat
- Describing the transfer of heat by convection
- Identifying renewable and non-renewable energy resources
- Describing ways to help the environment by recycling, reducing, and reusing

**Electives: (See Appendix)**

# BA Elementary Curriculum

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## 5<sup>th</sup> Grade

### Language Arts

#### *Reading and Literature*

- Oral reading
- Reading comprehension
- Speed reading
- Vocabulary building

#### *Penmanship*

- Review of cursive writing formation through skill practice, word exercises, original composition, and sentence dictation

#### *Spelling*

- Weekly word list on various categories and vocabulary study

#### *Language – Writing Process*

- Sentences and sentence parts
- Punctuation, capitalization, and quotation facts
- Synonyms, antonyms, homonyms
- Dictionary, thesaurus skills

#### *Grammar*

- Recognizing and diagraming all eight parts of speech
- Recognizing and diagraming complements
- Word usage

### History and Geography

Eight documents reviewed

Geography facts, terms, rivers, capitals, mountains, climate

Introduction to History and Geography

Fertile Crescent: Cradle of Civilization

Ancient Middle East

Middle East Today

Countries of Central and Southern Asia

Countries of the Far East

Egypt: The Gift of the Nile

Africa in Modern Times

Ancient Greece: Home of Beauty

Rome: Ruler of the Ancient World

Christianity: The Greatest Force in History

England and the British Isles

Other Countries of Western Europe

Countries of Eastern Europe

“Land Down Under” and Beyond

### Arithmetic

#### *Place Value, Addition and Subtraction*

- What is a billion?
- Place value to billion
- Expanded form
- Thousandths
- Decimals greater than one
- Compare and order decimals
- Rounding numbers

#### *Multiplications*

- Factors and products
- Properties of multiplication
- Mental math: special factors
- Patterns in multiplication
- Zeros in the multiplicand
- Multiplying two digits
- Multiplying three digits
- Zero in the multiplier
- Multiplication with money

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## **Arithmetic: (Continued)**

### *Division*

- Division patterns
- Three digit quotients
- Zeros in the quotient
- Short division
- Teens as divisor
- Two-digit divisors
- Divide money
- Order of operations

### *Fractions: Addition and Subtraction*

- Rename fraction sums: like denominators
- Add fractions: unlike denominators
- Add three fractions
- Add mixed fractions
- Rename mixed fractions
- Rename differences: like denominators
- Subtract fractions: unlike denominators
- More subtraction of fractions
- Subtract mixed numbers
- Subtracting with renaming
- More renaming in subtraction
- Estimate sums and differences of mixed numbers

### *Fractions: Multiplication and Division*

- Multiplying fractions
- Multiplying fraction by fraction
- Multiplying fractions and whole numbers
- Multiplying fractions using the GCF
- Rename mixed numbers as fractions
- Multiplying fractions and mixed numbers
- Multiply mixed numbers
- Division of fractions
- Divide whole numbers by fractions
- Divide fractions by whole numbers

### *Decimals: Addition and Subtraction*

- Decimal sense
- Decimal and place value
- Add decimals
- Estimate decimal sums
- Add more decimals
- Use models to subtract decimals
- Subtract decimals
- Subtract more decimals

### *Decimals: Multiplication and Division*

- Multiply by 10, 100, and 1000
- Multiply decimals
- Multiply decimals by whole numbers
- Multiply decimals by decimals
- Zeros in the product
- Divide by 10, 100, 1000
- Divide decimals by whole numbers
- Zeros in division

### *Measurement*

- Perimeter
- Area of rectangles and squares
- Area of triangles and parallelograms
- Area of trapezoids
- Circumferences
- Area of circle
- Surface area of cubes, rectangular prisms, and cylinders
- Surface area of pyramids and triangular prisms
- Volume of prisms
- Volume of triangular prisms and cylinders
- Volume of pyramids

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## **Science**

### **Life Science**

Cells  
Classifying Life  
  
Classifying Animals  
Animal Systems  
Microorganisms and Disease  
Reproduction  
Adaption and Survival  
Food Chains and Food Webs

### **Earth and Space Science**

Plate Tectonics  
Earthquakes and Volcanoes  
Weathering and Erosion  
Changing Earth's Surface  
Soil  
Natural Resources  
Minerals and Rocks  
Conservation  
Weather  
Our Solar System

### **Physical Science**

Matter  
Physical and Chemical Properties  
Conductors and Insulators  
Mixtures  
Physical and Chemical Changes  
Forces and Motion  
Energy  
Light

**Electives: (See Appendix)**

# BA Elementary Curriculum

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## 6<sup>th</sup> Grade

### Language Arts

#### *Reading and Literature*

- Oral reading
- Reading comprehension
- Speed reading
- Vocabulary building
- Dictionary skills

#### *Penmanship*

- Review of Cursive writing formation
- Practice penmanship through creative writing and word exercise

#### *Spelling*

- Weekly word list with by prefixes, suffixes, and root words
- Vocabulary study from the word lists
- Dictionary skills

#### *Language – Writing Process*

- Writing, comparison/contrasts, poetry, outlines, library research paper, narration, journal
- Sentences and sentence parts
- Fragments, run-ons
- Punctuation and capitalization rules
- Library skills
- Student Writers' Handbook

#### *Grammar*

- Recognizing, diagraming, and using all eight parts of speech

### History and Geography

Advanced map studies

Geography facts, including the 50 states

Eight documents reviewed

North America: Canada, United States, Mexico, and Central America

South America: Continent of Natural Resources, Nations of South America

United States History: The Colonial Heritage, New World's First Republic.

### Arithmetic

#### *Number Sense, Addition and Subtraction*

- Place value
- Expanded form
- Place value and exponents
- Compare and order decimals
- Round whole numbers and decimals
- Estimate decimal sums and differences
- Addition of whole numbers and decimals
- Subtraction of whole numbers and decimals
- Addition and subtraction of decimals
- Addition and subtractions of expressions
- Evaluate addition and subtraction expressions

# BA Elementary Curriculum

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## **Arithmetic: (Continued)**

### *Multiplication: Whole Numbers and Decimals*

- Multiplication patterns
- Estimate products
- Multiply whole numbers
- Multiply whole numbers and decimals
- Exponents
- Scientific notation

### *Division: Whole Numbers and Decimals*

- Short division
- Estimate quotients
- Divide whole numbers
- Divide decimals by 10, 100, and 1000
- Divide decimals by whole numbers
- Patterns with tenths, hundredths, and thousandths
- Estimate decimal quotients
- Decimal divisors
- Zeros in division
- Multiplication and division expressions
- Round quotients

### *Expressions and Equations*

- Order of operations
- Translate expressions
- Evaluate algebraic expressions
- Equations and inequalities
- Addition equations
- Subtraction equations
- Multiplication and division equations
- Use formulas

### *Number Theory and Fractions*

- Divisibility
- Prime and composite numbers
- Prime factorization
- Equivalent fractions
- Greatest common factor
- Fractions in simplest form
- Mixed numbers and improper fractions

## *Number Theory and Fractions: (Continued)*

- Fraction sense
- Least common multiple
- Compare fractions
- Order fractions
- Relate fractions to decimals
- Rename fractions to decimals
- Rename decimals to fractions
- Terminating decimals and repeating decimals

### *Fraction: Addition and Subtraction*

- Addition properties: fractions
- Estimate sums and differences
- Add fractions
- Add mixed numbers
- Subtract fractions
- Subtract mixed fractions
- Mental math: addition and subtraction
- Addition and subtraction expressions with fractions
- Addition and subtraction equations with fractions

### *Fractions: Multiplication and Division*

- Multiply fraction by fraction
- Multiply fractions and whole numbers
- Properties of multiplication
- Multiply mixed numbers
- Meaning of division
- Divide fractions by fractions
- Estimate quotients of fractions and mixed numbers
- Divide with whole numbers and mixed numbers
- Order of operations with fractions
- Multiplication and division expressions with fractions
- Multiplication and division equations with fractions

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## *Ratio, Proportion, and Percent*

- Ratio
- Equivalent ratios
- Rates
- Proportions
- Solve proportions
- Write proportions
- Proportions and similar figures
- Use proportions
- Scale drawings and maps

## *Measurement*

- Perimeter
- Area of rectangles and squares
- Area of triangles and parallelograms
- Area of trapezoids
- Circumferences
- Area of circle
- Surface area of cubes, rectangular prisms, and cylinders
- Surface area of pyramids and triangular prisms
- Volume of prisms
- Volume of pyramids
- Volume of triangular prisms and cylinder

## **Science**

### **Life Science**

Plant Cells  
Plant Diversity  
How Plant Traits Are Controlled  
Body Systems  
The Human Life Cycle  
Microorganisms and Disease  
Earth's Ecosystems  
Food Chains, Webs, and Pyramids  
Adaptations and Natural Selection

### **Earth and Space Science**

Features of Earth  
Earth's Moving Continents  
Weather and Climate  
Air and Water  
Resources  
Land  
Saving Resources  
The Earth-Sun-Moon System  
The Earth-Sun System  
The Solar System  
Stars and Galaxies

### **Physical Science**

Physical Properties  
Elements and Compounds  
Solids, Liquids, and Gases  
Water and Mixtures  
Exploring Forces  
Forces and Motion  
Changes in Motion  
Energy  
Properties of Light  
Heat

**Electives: (See Appendix)**

# BA Elementary Curriculum

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## Appendix

### Electives:

#### **Computer - Tammy Little**

**Course Description:** Elementary students come to computer once a week to work on a variety of innovative, age appropriate Microsoft technology projects.

#### **Library- Kim Martin**

**Course Description:** During library each week, students are exposed to different types of literature, participate in different activities, and have the opportunity to check out library books and Accelerated Reader books.

#### **Music -Ann Marie Myers**

**Course Description:** This class teaches musical concepts, skills, and knowledge to elementary students.

**Course Objectives:** This class encourages learning through music and helps students explore their opportunities in the arts.

#### **Art - Martha T. McArthur**

**Course Description-** Lessons include line, shape, color, value, texture, and space in addition to sculpture (paper, box, etc.), poster designs, tie-dye, weaving, and haiku.

**Course Objective-** Art serves as a course in the principle of design- a basic introduction to art. A variety of tools and techniques are employed.

#### **P.E. -Lauren LaSuzzo**

**Course Description-** The basic physical education involves routine stretches before strenuous physical exercise, a few laps around the gym, and athletic games to open the students to a healthy way of having fun.

**Course Objective-** Physical education serves as a way for students to learn the importance of exercise while simultaneously utilizing those exercise techniques for their own health and fun.