



## BCCC PROGRAM DESCRIPTIONS OF COURSES & ACTIVITIES

### Kindergarten Reading Objectives

- Read all letters of the alphabet, capital and lowercase
- Read the phonetic sound of each letter
- Blend sounds together, in two, three-and four-letter combinations
- Develop phonemic awareness
- Memorize 90 sight words
- Read basic sentences and answer comprehension questions to clarify understanding

### Kindergarten Math Objectives

- Count to 100 by 1's, 2's, 5's, and 10's
- Recognize numbers to 100
- Ordinal numbers
- Addition, single digit
- Subtraction, single digit
- 2D Shapes & 3D Shapes
- Introduction to Measuring
- Introduction of Graphing

### Kindergarten Writing Objectives

- Write all letters of the alphabet
- Write numbers 1-20 and combinations to 100
- Be able to write and illustrate a sentence
- Understand the following punctuation: period, exclamation point, question mark, comma, apostrophe
- Write letter sounds and letter blends phonemically

### Kindergarten Science Objectives

- Living/Non-Living Things
- Energy Sources
- Weather
- Animals
- Exploring Space

## 1st Grade Reading Objectives

Reading is a big part of first grade. As your child begins to broaden their reading skills, you'll notice that they'll begin to read words everywhere they go and relish in their newly developed skill. It's important that you read to your child, and vice versa, on a daily basis to help them develop their literacy skills even further. A comprehensive and effective first grade language arts curriculum will help your child accomplish the following goals and objectives:

- Increase vocabulary as they blend consonant sounds, vowel and consonant digraphs, and more.
- Read simple stories fluently and independently.
- Retell the main idea of a story and answer questions about the text.
- Identify parts of a story or book.
- Know the names and sounds of all the consonants and vowels.
- Understand phonics concepts such as consonant combinations.
- Develop an understanding of composition.

## 1st Grade Math Objectives

Our effective first grade curriculum will build on the skills learned in kindergarten and further students' knowledge and mastery in topics like number sense, fractions, operations, money, patterns, and more.

- Count to 100; count by 5s and 10s to 100; count by 2s to 40
- Represent numbers on a number line
- Add and subtract 2-digit numbers
- Write the date; tell time; read a calendar
- Count and create coin combinations; add and subtract money
- Identify, sort and classify 2-dimensional shapes
- Understanding the value of money

## 1st Grade Writing Goals/Objectives

In first grade, students begin to learn how to organize their thoughts in order to write sentences that are coherent, while also taking into account a number of factors such as those listed below. They'll learn that paragraphs should have a beginning, middle and end. And although spelling skills may not be fully mastered, using 'invented' spelling means that students are understanding letter sounds and spelling things as they hear them when they sound them out.

Below are a few objectives that first graders should be able to master.

- Write from top to bottom, left to right while using spacing between words.
- Correctly write 3- 4-letter words and longer words phonetically.
- Write simple sentences and short stories or paragraphs in chronological order.

# 1st Grade Grammar Goals/Objectives

Grammar and writing go hand in hand. Without proper grammar skills, students won't be able to form complete, coherent sentences. In addition to the objectives listed below, using the proper subject-verb agreement, verb tenses, and correct punctuation are just some of the goals first graders should work toward.

- Use correct capitalization and punctuation.
- Understand and identify the parts of speech and types of sentences.
- Identify compound words and distinguish between proper and possessive nouns.

# 1st Grade Science Objectives

Our first grade science curriculum reteaches and expands on what our students learned in kindergarten, teach more advanced concepts on those topics, and introduce new material.

An effective first grade science curriculum will also give students the opportunity to make real life connections with what they are studying.

Below is a general overview of the science objectives for first grade.

- Distinguish between the states of matter and how they can change
- Ask scientific questions, observe using their senses, create hypothesis, draw conclusions, share data
- Distinguish between living and nonliving things
- Understand the water cycle, weather patterns, and seasons
- Identify the different parts and functions of plants
- Classify animals and the different habitats they live in

# 2<sup>nd</sup> Grade ELA Learning Objectives:

-Use knowledge of phonics and word-analysis skills to decode words

-Identify and use context clues and word relationships to determine the meaning of unknown words

-Identify and understand different genres

-Identify and explain story structure, theme, point of view, main idea, author's purpose

-Identify and use text features

-Compare and contrast texts

-Summarize and retell

-Understand the elements of poetry

-Identify and explain figurative language

-Write using sequence of events with transitions

-Support writing with details

-Learn to gather information from sources to answer a question

-Writing for different purposes and audiences such as creative, informational/expository, and persuasive forms

-Creating written drafts that will be revised and edited, with guidance from a teacher

-Use and apply knowledge of the rules of grammar, punctuation, capitalization and spelling for grade level

## 2<sup>nd</sup> Grade Science Learning Objectives:

-Our Five Senses

-Life Cycles

-Habitats

-Weather

-States of Matter

## 2<sup>nd</sup> Grade Social Studies Objectives:

-Culture

-Use a map or globe

-Goods and Services

-Being a Good Citizen

## 3<sup>rd</sup> Grade ELA Learning Objective:

-Use knowledge of phonics and word-analysis skills to decode words

-Identify and use context clues and word relationships to determine the meaning of unknown words

-Use grade-level academic vocabulary appropriately in speaking and writing

-Identify and understand different genres

-Identify and explain story structure, theme, point of view, main idea, author's purpose, argument, cause/effect, fact/opinion

-Identify and use text features

-Compare and contrast texts

-Summarize and retell

-Understand the elements of poetry

-Identify and explain figurative language

-Write using sequence of events with transitions

-Support writing with details

-Learn to gather information from sources to answer a question

-Writing for different purposes and audiences such as creative, informational/expository, and persuasive forms

-Creating written drafts that will be revised and edited, with guidance from a teacher

-Use and apply knowledge of the rules of grammar, punctuation, capitalization and spelling for grade level

### 3rd Grade Science Learning Objectives:

-Life Cycles

-Habitats

-Solar System

-Weather

-Energy

### 3<sup>rd</sup> Grade Social Studies Objectives:

-Immigration/Culture

-Use a map or globe

-Resources

-Citizenship/Laws

### 4th Grade Reading Goals/Objectives

Foundational skills for fourth grade readers involve making sure they are reading a wide variety of books and other written materials. They will be sharing what they are reading with others, both verbally and in writing. Your child should be reading fluently enough to read aloud comfortably as well.

Specifically, some of the objectives for this year's reading instruction include:

- Paying close attention to the key features of what is read, and being able to share details afterward

- Comparing ideas, characters, events, and settings in stories
- Recognizing figurative language when reading (similes, metaphors, etc.)
- Learning the difference between first and third person narration
- Gaining additional skills in reading comprehension including summarizing, predicting, visualizing, questioning, and clarifying details

## 4th Grade Writing Goals/Objectives

Your fourth grader will become actively involved in the steps of the writing process this year. From prewriting to drafting to editing and revision, fourth graders will learn how to plan out their compositions and refine them.

Some of the specific writing goals our 4th grade language arts curriculum aims for this year include:

- Using research tools to investigate and write about a specific topic.
- Writing summaries or opinions of topics, using supporting details.
- Analyzing and interpreting a story they have read by writing about it.
- Writing an example news article.

## 4th Grade Grammar Goals/Objectives

In fourth grade, students learn to apply what they have learned about grammar and mechanics as they write original compositions. Our 4th grade language arts curriculum lessons focus on parts of speech, similes and metaphors, punctuation, double negatives, and spelling.

Fourth graders will continue to review the grammar rules they have learned to this point, and will add new concepts such as:

- Rules of spelling
- Proper and common nouns
- Regular and irregular verbs
- Correctly using commas in series, dates, addresses, and compound sentences

## 4th Grade Math Curriculum Objectives

In 4th grade, math instruction should focus on number theory and systems, algebraic thinking, geometrical figures and objects, measurement of length, weight, capacity, time, and temperature, and data analysis and probability.

Some of the specific 4th grade math learning targets include:

- Estimating sums and differences using rounding and compatible numbers.
- Defining multiples, and list multiples of a given number.
- Identify factors of a given number and common factors of two given numbers.
- Solving addition and subtraction problems involving money.
- Exploring the idea of a variable by solving for an unknown quantity in an equation (early algebraic thinking).
- Plotting a point given an ordered pair or writing the ordered pair of a point shown on a coordinate grid.
- Finding perimeter, area, and volume.

Fourth graders are expected to have gained the following skills before they start the year:

- Addition and subtraction with regrouping

- Understanding place value
- Solving problems with decimal points
- Memorizing math facts with the help of fact families
- Creating a number sentence or equation from a word problem
- Finding perimeter and area of a shape by counting units
- Familiarity with both the traditional and metric systems

## 4th Grade Science Objectives

By the end of their fourth grade year, your student should be much more than an observer of science—he/she should be an active participant. Our effective 4th grade science curriculum builds on the knowledge your student has gained in the previous school years to focus on deeper understanding of scientific concepts. It also connects those concepts to other areas of the curriculum such as math and literacy.

Some of the specific goals to reach for in fourth grade science include:

- Representing data in tables and graphical displays.
- Participate in scientific activities and learning practices, using scientific language and tools.
- Exploring the components of various systems and explaining the relationships between them.
- Comparing and contrasting attributes of things with a focus on communicating the similarities and differences.
- Formulate predictions in the realm of science based on observed cause and effect relationships.

## 4th Grade Social Studies Objectives

By the time they reach fourth grade, students are usually strong readers who have developed the skills for seeing patterns in history and current events. This growth prepares them for reading longer and more in-depth historical narratives and for recognizing how ancient, past, and current events are often tied together.

A standards-based program will target goals like:

- Becoming an active citizen
- Thinking critically
- Use of technology to research and report
- Map reading
- Use of Timelines
- Interpretation of Charts, Graphs, and Tables

Your fourth grader will continue to build a foundation of geography, economics, civics and history knowledge this year. In addition to focusing in on the history of your home state, your curriculum may cover:

- Prehistoric and Ancient Civilizations
- U.S. Revolution
- Geography Tools and Vocabulary
- U.S. Civics
- Economics
- Current Events

## 5th Grade Reading Goals/Objectives

In fifth grade, students read a mix of literary and informational texts to strengthen their reading fluency and comprehension skills as well as expand their vocabulary.

Below are just some of the reading goals that fifth grade language arts activities should help your child achieve.

- Summarize and paraphrase information from a text
- Read and interpret charts, graphs and other graphic representations in a text
- Analyze a writer's point of view and compare points of view from various writers on the same topic

## 5th Grade Writing Goals/Objectives

Writing skills will continue to be polished and built upon this year. Our fifth grade language arts curriculum will help students learn and master tons of new writing concepts including the following:

- Use interjections, prepositions and conjunctions for more descriptive and elaborate writing
- Understand each of the five stages of the writing process: planning, drafting, revising, editing, publishing
- Write a narrative complete with an event, narrator and characters

## 5th Grade Grammar Goals/Objectives

Fifth grade language arts activities should provide students with plenty of opportunities to learn and practice new grammar skills in order to enhance their writing and communication. Below are some of the grammar goals and objectives that our fifth grade language arts curriculum should help your child achieve.

- Use punctuation in titles correctly with proper capitalization, quotation marks, underscore, and italics
- Use correlative conjunctions correctly in a sentence: not only/but also, either/or, neither/nor
- Use perfect verb tense correctly and understand how they convey time of events

## 5th Grade Math Objectives

Below are just some of the 5th grade math objectives your child is expected to achieve. Our comprehensive and effective fifth grade math curriculum will ensure your child is learning all the important concepts and topics necessary to move on to sixth grade.

- Use place value to add, subtract, multiply and divide decimals
- Apply formulas to solve various customary length/weight/capacity/temperature problems
- Calculate the probability of an event

Below are some concepts a fifth grader should know.

- Rounding numbers to the nearest ten, hundred, thousand, ten thousand and hundred thousand
- Using partial products and mental multiplication
- Dividing with two-digit divisors
- Ordering and comparing fractions
- Comparing perimeter and area



## 5th Grade Science Objectives

By the end of this year, students should be able to achieve a number of objectives and gain various new skills. Below are a few concepts that our fifth grade science curriculum should help your child master.

- Understand the movement of matter among producers, consumers, and decomposers in an ecosystem
- Knowledge of the different changes of state, chemical reactions, solutions and mixtures
- Identify solutions that help reduce negative impact on the Earth

Below are some of the skills and concepts your child will be learning this year.

- Comparing and describing different properties of matter such as state, texture, and mass
- The four different spheres of the Earth (biosphere, atmosphere, geosphere, and hydrosphere)
- The relationship of the sun, Earth, and moon to shadows, constellations and yearly patterns

## 5th Grade Social Studies Objectives

By the end of this year, students should have a good understanding of ancient civilizations and the exploration and colonization of North America and the impact these had on human history.

Some of the social studies objectives your child will achieve this year include:

- Demonstrate an understanding of U.S. history during the Westward Expansion period from 1820-1850
- Locate all 50 U.S. states on a map as well as their capitals
- Political science and the purpose of government

## 6th Grade ELA Goals/Objectives

- Consistent and accurate use of standard English conventions such as noun-verb agreement, verb tenses, capitalization, etc.
- Able to summarize a story orally or in writing.
- Uses print or digital resources to determine the meaning, syllabication, pronunciation, word origin, and part of speech.
- Independently uses context clues within a sentence or paragraph to understand the meaning of words.
- Actively participates in discussions.
- Follows and gives oral instructions with multiple steps.
- Able to differentiate between paraphrasing and plagiarism when using source materials.
- Able to use source materials effectively and ethically for written, oral or multimodal presentations.
- Reads independently for a sustained period of time.

## 6th Grade Writing Goals/Objectives

- Writes legibly in print and cursive.
- Writes to express feelings, tell stories, and summarize information.
- Able to follow written directions, and write effective directions.
- Understands how to use reference materials, takes notes, and prepares written reports.
- Has expanded understanding of literature (poetry, fiction, nonfiction, media, etc.).
- Demonstrates clarity in writing with beginning, middle, and end of stories.
- Uses grammar and punctuation correctly and effectively in writing.
- Can self and peer edit written works.
- Able to write based on the needs of the audience or assignment by changing sentence structure, vocabulary and voice.

## 6th Grade Math Goals/Objectives

- Understands the basics of personal finance including debit and credit cards, balancing a checkbook and the importance of a positive credit history.
- Uses basic algebra skills to solve for the unknown such as  $9+x=11$ .
- Uses formulas to find the area, perimeter and volume of shapes.
- Use coordinates to locate points on a grid, also known as graphing ordered pairs.
- Able to work on fractions, percentages and proportions.
- Able to apply mathematics to solve problems that arise in everyday life, society and the workplace.
- Adds, subtracts, multiplies and divides integers fluently.
- Multiplies and divides positive rational numbers fluently.
- Able to convert units within a measurement system, including the use of proportions and unit rates.
- Understands ratios and rates to solve real world problems.
- Understands proportionality.
- Uses coordinate geometry to identify locations on a plane and is able to graph points in all four quadrants using ordered pairs of rational numbers.

## 6th Grade Science Goals/Objectives

- Able to conduct laboratory and field investigations and uses safe practices to do so.
- Able to use a variety of tools for scientific inquiry and uses them correctly.
- Knows the differences between elements and compounds.
- Understands that physical properties can be used for classification of minerals and metals.
- Knows force and motion are related to potential and kinetic energy.
- Understands the difference between renewable and nonrenewable resources and the advantages and disadvantages of each type.
- Understands and identifies the structure of Earth, the rock cycle and plate tectonics.
- Understands the importance of our Earth in space and is able to describe the physical properties, locations, and movements of the Sun, planets, moons, meteors, asteroids and comets.
- Understands that all organisms are composed of cells and can identify the basic characteristics of organisms, their mode of reproduction and classify them in the currently recognized kingdoms.

## 6th Grade Social Studies Goals/Objectives

- Study civilization and history of people from different areas of the world
- United States history and civilization to modern times
- Introduce concepts of political science and economics

## 7th Grade ELA Goals/Objectives

- Print or digital resources to determine the meaning, syllabication, pronunciation, word origin, and part of speech
- Independently uses context clues within a sentence or paragraph to understand the meaning of words
- Actively participates in discussions
- Able to follow and gives complex oral instructions with multiple steps
- Public speaking employs proper eye contact, speaking rate, volume, enunciation, and gestures to effectively convey a critique of a work, such as literary, film, or dramatic production
- Able to correct the spelling of **commonly confused words** such as its/it's, affect/effect, there/their/they're, and to/two/too
- Differentiates between paraphrasing and plagiarism when using source materials
- Able to use source materials effectively and ethically for written, oral, or multimodal presentations
- Effectively uses genre characteristics to compose literary texts such as personal narratives, fiction, multi-paragraph essays, and poetry
- Able to compose argumentative texts
- Composes correspondence in a business or friendly tone that reflects an opinion, registers a complaint, or requests information
- Reads independently for a sustained period of time.

## 7th Grade Writing Goals/Objectives

- Writes legibly in print and cursive
- Writes to express feelings, tell stories, and summarize information
- Able to follow written directions and write effective directions
- Understands how to use reference materials, takes notes, and prepares written reports
- Demonstrates clarity in writing with beginning, middle, and end of stories
- Uses grammar and punctuation correctly and effectively in writing
- Can self and peer edit written works
- Able to write based on the needs of the audience or assignment by changing sentence structure, vocabulary, and voice.

## 7th Grade Math Goals/Objectives

- Applies math skills to to everyday life and understands how they apply to business, society, and life
- Fluently adds, subtracts, multiplies, and divides rational numbers
- Understands proportionality
- Uses geometry to describe or solve problems

- Dives more into personal financial literacy to become a knowledgeable consumer and investor including calculating sales tax and income tax
- Understands the concept of personal budgeting and of how interest rates work
- Able to compare and analyze the use of sales, rebates, and coupons and how they save money
- Uses probability and statistics to describe or solve problems
- Uses basic algebra skills to solve for the unknown, such as  $9+x=11$
- Uses formulas to find the area, perimeter, and volume of shapes
- Use coordinates to locate points on a grid, also known as graphing ordered pairs
- Able to work on fractions, percentages, and proportions
- Able to apply mathematics to solve problems that arise in everyday life, society, and the workplace
- Adds, subtracts, multiplies, and divides integers fluently
- Able to convert units within a measurement system, including the use of proportions and unit rates
- Understand ratios and rates to solve real-world problems
- Uses coordinate geometry to identify locations on a plane as is able to graph points in all four quadrants using ordered pairs of rational numbers.

## 7th Grade Science Goals/Objectives

- Understands the relationship between living organisms and their environments and the adaptations needed to live in each
- Understands that all living organisms pass on traits to their offspring through sexual or asexual reproduction
- Understands that all organisms are composed of cells and that they use energy, get rid of wastes, and contain genetic material
- Knows and explains the major functions of the human body systems and that all organs are made of up of cells
- Able to describe how biodiversity sustains an ecosystem
- Able to explain why and how different adaptations help organisms survive such as gills in fish, hollow bones in birds, or xylem in plants
- Understands the importance of our Earth in space and is able to explain reasons why different objects in our solar system are able to or not able to support life. Example: Earth's position in relation to the Sun, water, etc.
- Able to explain how catastrophic events such as floods, hurricanes, or tornadoes impact our ecosystems
- Understands the effects of weathering, erosion, and deposition on the environment in ecoregions of Texas
- Able to conduct laboratory and field investigations and uses safe practices to do so
- Able to use a variety of tools for scientific inquiry and uses them correctly.

## 7th Grade Social Studies Goals/Objectives

- Continue U.S. history from sixth grade objectives
- Continue to explore history and culture of other people around the globe
- Learn about history of special populations (women's history, African American history, etc.)

## 8th Grade Reading Goals/Objectives

- Consistent and accurate use of standard English conventions such as subject verb agreement, verb tenses, capitalization, etc.
- Effectively uses punctuation such as commas in nonrestrictive phrases and clauses, semicolons, colons, and parentheses
- Able to correct the spelling of commonly confused words such as its/it's, affect/effect, there/their/they're, and to/two/too
- Uses print or digital resources to determine the meaning, syllabication, pronunciation, word origin, and part of speech
- Independently uses context clues within a sentence or paragraph to understand the meaning of words
- Actively participates in discussions
- Able to follow and gives complex oral instructions with multiple steps
- Uses his or her imagination to plan, organize, and tell stories
- Understands the importance of communication in social, academic, civic, and professional situations
- Employs proper eye contact, speaking rate, volume, enunciation, and gestures to effectively convey a speech
- Differentiates between paraphrasing and plagiarism when using source materials
- Able to use source materials effectively and ethically for written, oral, or multimodal presentations
- Effectively uses genre characteristics to compose literary texts such as personal narratives, fiction, multi-paragraph essays and poetry
- Able to compose argumentative texts
- Composes correspondence in a business or friendly tone that reflects an opinion, registers a complaint, or requests information
- Able to paraphrase and summarize texts in ways that maintain meaning and logical order
- Reads independently for a sustained period of time and with purpose. For enjoyment, to learn a new skill, etc...

## 8th Grade Writing Goals/Objectives

- Writes legibly in print and cursive
- Writes to express feelings, tell stories and summarize information
- Able to follow written directions and write effective directions
- Understands how to use reference materials, takes notes, and prepares written reports
- Demonstrates clarity in writing with beginning, middle, and end of stories
- Uses grammar and punctuation correctly and effectively in writing
- Can self and peer edit written works
- Able to write based on the needs of the audience or assignment by changing sentence structure, vocabulary, and voice.

## 8th Grade Math Goals/Objectives

- Applies math skills to everyday life and understands how they apply to business, society and life
- Fluently adds, subtracts, multiplies, and divides rational numbers
- Demonstrates mathematical understanding of ideas by using precise mathematical language verbally or in writing

- Understands proportionality
- Uses geometry to describe or solve problems
- Dives more into personal financial literacy to become a knowledgeable consumer and investor including calculating the costs of different methods of repaying loans, saving for college, and how investing small amounts of money will accrue over time
- Uses basic algebra skills to solve for the unknown such as  $9+x=11$
- Uses coordinates to locate points on a grid, also known as graphing ordered pairs
- Able to work on fractions, percentages and proportions
- Uses formulas to solve more complicated problems
- Uses select tools including real objects, manipulatives, paper and pencil, technology, mental math, estimation, and number sense to solve problems
- Able to convert units within a measurement system, including the use of proportions and unit rates
- Understands square roots up to 225
- Understands and can find the coordinates for slope.

## 8th Grade Science Goals/Objectives

- Understands the structure of atoms
- Able to interpret the Periodic Table
- Understands the relationships between force, motion, and energy
- Able to conduct laboratory and field investigations and uses safe practices to do so
- Able to use a variety of tools for scientific inquiry and uses them correctly
- Communicates the cyclical movements of the Sun, Earth, and Moon and can demonstrate how the tilted Earth rotates on its axis, causing day and night, and revolves around the Sun, causing changes in seasons
- Understands the lunar cycle and its effects on ocean tides
- Familiar with the components of our universe, including stars, nebulae, and galaxies and knows the Sun is a medium sized star closer to Earth than any other star and is located in the Milky Way galaxy
- Understanding of the plate tectonic theory
- Recognizes the interdependence between organisms and populations in an ecosystem and how they may compete for biotic and abiotic factors
- Recognizes the human impact can affect different ecosystems
- Explores the effects of short and long-term environmental changes on organisms and subsequent populations.

## 9th Grade Reading Goals/Objectives

- Focuses on listening, speaking, reading, writing and thinking
- Able to give a presentation using informal, formal and technical language effectively
- Presentations meet the needs of audience, purpose and occasion
- Uses pauses for effect, volume, enunciation, purposeful gestures, eye contact and conventions of language to communicate effectively
- Participates collaboratively, building on the ideas of others, contributing relevant information, developing a plan for consensus building, and setting ground rules for decision making
- Familiar with common types of poetry forms
- Analyzes the structure, prosody, line length and word position in poems
- Able to read and respond to American, British and world literature

- Familiar with the functions of dramatic conventions such as asides, soliloquies, dramatic irony and satire
- Able to analyze an author's purpose, audience and message within a text
- Understands how diction and syntax contribute to the mood, voice and tone of a text
- Uses brainstorming, journaling, reading or discussing to plan a piece of writing appropriate for various purposes and audiences
- Able to develop drafts into a focused, structured, and coherent piece of writing and revises drafts to improve clarity, development, organization, style, diction and sentence effectiveness
- Understands the use of parallel constructions and placement of phrases and dependent clauses, as well as variety of complete, controlled sentences and avoidance of unintentional splices, run-ons and fragments

## 9th Grade Writing Goals/Objectives

- Writes legibly in print and cursive
- Writes to express feelings, tells stories and summarizes information
- Able to follow complex written directions and write effective directions
- Understands how to use reference materials, takes notes and prepares written reports
- Demonstrates clarity in writing with beginning, middle, and end of stories
- Uses grammar and punctuation correctly and effectively in writing
- Can self and peer edit written works
- Able to write based on the needs of the audience or assignment by changing sentence structure, vocabulary and voice
- Consistently uses the appropriate verb tense and pronoun-antecedent agreement
- Uses correct capitalization, punctuation (including commas, semicolons, colons and dashes) and spelling with ease

## 9th Grade Math Goals/Objectives

- Applies math skills to daily life and understands how they apply to business, society and everyday situations
- Fluently adds, subtracts, multiplies, and divides rational numbers
- Understands that numbers can be represented in many ways (fractions, decimals, bases, and variables)
- Demonstrates mathematical understanding of ideas by using precise mathematical language verbally or in writing
- Understands proportionality
- Understanding of linear functions, equations, and inequalities
- Uses technology to collect and explore data and analyze statistical relationships
- Understands quadratic functions and equations and is able to apply mathematical process standards to solve these equations with and without technology
- Uses algebraic formulas to solve more complicated problems
- Uses select tools including real objects, manipulatives, paper and pencil, technology, mental math, estimation, and number sense to solve problems
- Able to use graphs, maps, or other representations to learn and convey information

## 9th Grade Science Goals/Objectives

- Analyzes, evaluates, and critiques scientific explanations of biology by using empirical evidence, logical reasoning, and experimental and observational testing while developing critical thinking skills
- Able to conduct laboratory and field investigations and uses safe, ethical practices to do so

- Understands that cells are the basic structures of all living things with specialized parts that perform specific functions
- Able to explain the differences between viruses and cells, compare their structures, describe viral reproduction, and is able to describe the role of viruses in causing diseases such as human immunodeficiency virus (HIV) and influenza
- Able to compare and contrast prokaryotic and eukaryotic cells, and compare and contrast scientific explanations for cellular complexity
- Able to explain homeostasis
- Can describe the stages of the cell cycle, including deoxyribonucleic acid (DNA) replication and mitosis, and the importance of the cell cycle to the growth of organisms
- Recognizes that components that make up the genetic code are common to all organisms and can describe the roles of DNA, ribonucleic acid (RNA), and environmental factors in cell differentiation
- Understands and identifies the components of DNA, and how information for specifying the traits of an organism is carried in the DNA
- Familiar with the scientific explanations for the origin of DNA
- Able to explain the functions of carbohydrates, lipids, proteins, and nucleic acids and the role of enzymes

## Additional Fees & Services

- Standardized Testing Fees
- Thursday Lunch Option
- Hands - On Activities
- Educational Learning Trips
- Club Fees