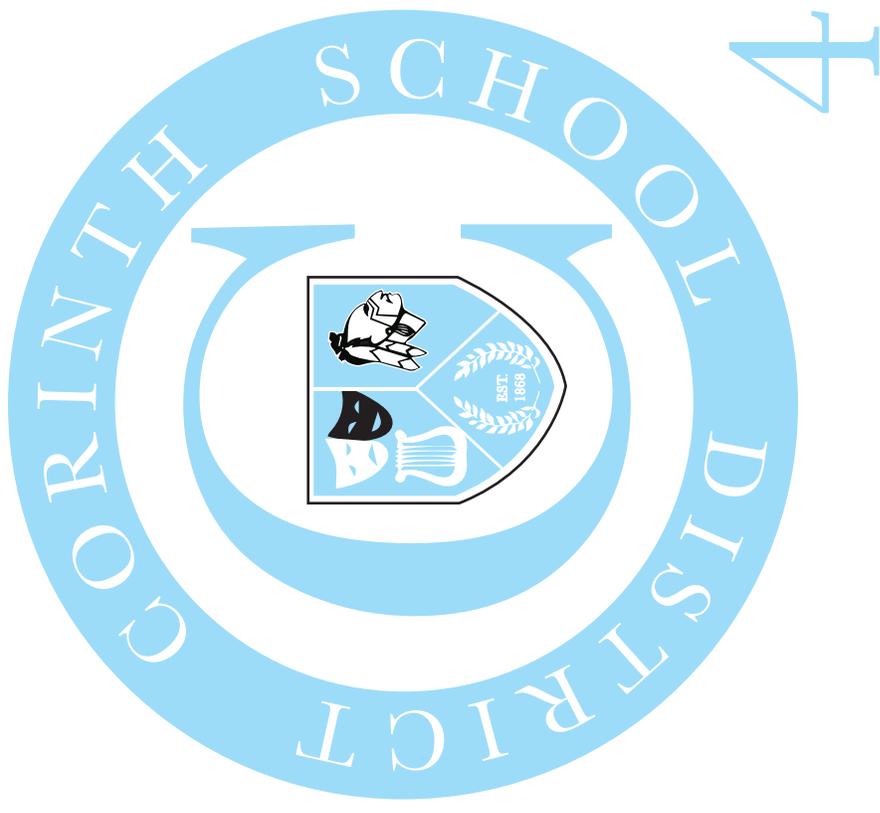
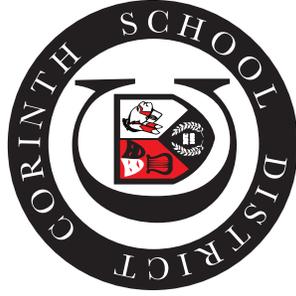


CORINTH SCHOOL DISTRICT STUDENT EXPECTATIONS

Contact Us
Corinth School District
1204 North Harper Road
Corinth, MS 38834

662-287-2425
corinth.k12.ms.us



FOURTH GRADE

A FAMILY GUIDE FOR STUDENT SUCCESS

DIPLOMA OPTIONS

College and Career Readiness Diploma

- Complete Traditional Diploma requirements
- Achieve passing scores on Cambridge Subject Area Examinations in Mathematics, Biology, English Language and U.S. History
- Meet college and career readiness measures on the IGCSE Exams, the ACT, or attain Silver Level on ACT WorkKeys Assessment, including Reading for Information, Applied Mathematics, and Locating Information
- Earn three college credits
- Complete Pillar Senior Project

Career Technical Diploma

- Complete Traditional Diploma requirements
- Achieve passing scores on Cambridge Subject Area Examinations in Mathematics, Biology, English Language and U.S. History
- Complete an approved industry recognized certification
- Complete Pillar Senior project or an approved work-based apprenticeship or learning experience

Applied Studies Diploma (Available to students with an IEP)

- Earn twenty-four credits of which twelve must be regular education Carnegie credits
- Pass Functional Literacy Exam
- Complete a required modified course of study
- Complete a work-based learning experience

DIPLOMA OPTIONS

The Corinth School District values different learning experiences for students. Based on this belief, the District will offer the following diploma options:

- **Traditional Diploma**
- Complete Traditional Diploma requirements
- Achieve passing scores on Cambridge Subject Area Examinations in Mathematics, Biology, English Language, and U.S. History
- Complete Pillar Senior Project
- **Early Exit Diploma**
- Complete Early Exit Diploma requirements
- Achieve college and career readiness measures on 9th and 10th grade required IGCSE Exams or in all four content areas of the ACT
- Complete Pillar Senior Project

Advanced International Certificate of Education (AICE) Honors Diploma

- Complete Traditional Diploma requirements
- Achieve passing scores on Cambridge Subject Area Examinations in Mathematics, Biology, English Language and U.S. History
- Complete AICE Diploma requirements as outlined by Cambridge International Exams
- Complete Pillar Senior Project

Corinth Honors Diploma

- Complete Traditional Diploma requirements
- Achieve passing scores on Cambridge Subject Area Examinations in Mathematics, Biology, English Language and U.S. History
- Achieve a 3.0 or higher on a 4.0 grading scale
- Earn six college credit hours
- Complete at least two of the following
 - o Earn 4 credits on AICE Exams
 - o Complete an approved industry recognized certification
 - o Achieve the ACT math, science, reading, and English college and career readiness measures
- Complete Pillar Senior Project

STUDENT EXPECTATIONS FOURTH GRADE

As a parent, you are your child's first teacher and know your child better than anyone else. You have valuable insight into your child's needs, strengths, abilities, and interests. Knowing you want what is best for your child, we want to partner with you in guiding your child toward success.

The Corinth School District Student Expectation booklet outlines what your child should learn in reading, writing, speaking and listening, mathematics and science. This grade level booklet represents what a student should know by grading period and helpful hints. Helpful hints are provided for you to encourage your child's academic growth by reinforcing classroom activities at home.

The achievement of these expectations will help your child meet the Corinth Standards. In an effort to share the goal of preparing your child for college and/or a career, the Corinth School District has established diploma options outlined on the last page. We encourage you to have conversations with your child about these diploma options, college plans, and careers so we can work together to help your child be successful.

If you have specific questions regarding Corinth Standards or school programs, please call your child's school. Thank you for trusting our schools to prepare your child for the future.



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READING

During the First Grading Period, your child will study the following

Learning Standards:

- Read widely and explore the features of different fiction genres
- Read and evaluate non-fiction texts for purpose, style, clarity, and organization
- Skim read to gain an overall sense of a text and scan for specific information
- Identify prepositions and use the term
- Consider how a writer expresses his/her own point of view, *e.g. how characters are presented*
- Read and identify characteristics of myths, legends and fables
- Compare dialogue and dramatic conventions in film narrative
- Compare the structure of different stories
- Recognize a range of less common letter strings in words which may be pronounced differently
- Identify 'silent' vowels in polysyllabic words, *e.g. library, interest*
- Identify unfamiliar words, explore definitions and use new words in context
- Record ideas, reflections and predictions about books, *e.g. in a reading log*

During the Second Grading Period, your child will study the following

Learning Standards:

- Read poems by significant poets and compare style, forms and themes
- Locate information confidently and efficiently from different sources
- Develop note-taking to extract key points and to group and link ideas
- Begin to interpret imagery and techniques, *e.g. metaphors, personification, simile, adding to understanding beyond the literal*
- Discuss metaphorical expressions and figures of speech
- Compare and evaluate the print and film versions of a novel or play
- Recognize a range of less common letter strings in words which may be pronounced differently
- Identify 'silent' vowels in polysyllabic words, *e.g. library, interest*
- Identify unfamiliar words, explore definitions and use new words in context
- Read widely and explore the features of different fiction genres
- Read and evaluate non-fiction texts for purpose, style, clarity and organization
- Skim read to gain an overall sense of a text and scan for specific information

SCIENCE HELPFUL HINTS AT HOME

- Read books with scientific themes
- Visit science museums, scientific theme parks, zoos, nature centers, etc.
- Practice measurements using a ruler, scale, and thermometer
- Compare and contrast weather patterns using a variety of sources
- Investigate erosion processes at and around your home
- Practice recycling, visit a recycling center and check containers for recycling ability and history
- Discuss safety issues related to severe weather
- Participate in science fairs
- Research the seed cycle with your child; Create a seed cycle poster
- Create a poster illustrating the parts of a flower plant and describe the function of each part
- Have your child research how insects pollinate plants
- Have your child draw and explain parts of an insect that aid in flower pollination
- Have your child compare the structure of seeds and explain how the structure aids in seed dispersal, *e.g., dandelion, cocklebur, acorn*
- Have your child draw and explain the water cycle
- Investigate what happens when salt water evaporates
- Make a lens and see how your eye manipulates the light that enters it
- Make a light fountain. Use this activity to illustrate light reflection, specifically total internal reflection, as well as how fiber optics work
- Shine a light into a tub of water. Have your child explain how light bends
- Have your child to build a model of the solar system and explain how the planets move around

SCIENCE

During the Fourth Grading Period, your child will study the following

Learning Standards:

Physics (The Earth and Beyond)

- Explore through modeling that the Sun does not move. Its apparent movement is caused by the Earth spinning on its axis
- Know that the Earth spins on its axis once in 24 hours
- Know the Earth takes a year to orbit the Sun, spinning as it goes
- Research the life and discoveries of scientists that explored the solar system and stars

Scientific Inquiry

Ideas and Evidence

- Know that scientists have combined evidence with creative thinking to suggest new ideas and explanations for phenomena
- Use observation and measurement to test predictions and make links

Plan Investigative Work

- Make predictions of what will happen based on scientific knowledge and understanding, and suggest and communicate how to test these
- Use knowledge and understanding to plan how to carry out a fair test
- Collect sufficient evidence to test an idea
- Identify factors that need to be taken into account in different contexts

Obtain and Present Evidence

- Make relevant observations
- Measure volume, temperature, time, length and force
- Discuss the need for repeated observations and measurements
- Present results in bar charts and line graphs

Consider Evidence and Approach

- Decide whether results support prediction
- Begin to evaluate repeated results
- Recognize and make predictions from patterns in data and suggest explanations using scientific knowledge and understanding
- Interpret data and think about whether it is sufficient to draw conclusions

READING

During the Third Grading Period, your child will study the following

Learning Standards:

- Discuss metaphorical expressions and figures of speech
- Begin to interpret imagery and techniques, *e.g. metaphors, personification, simile, adding to understanding beyond the literal*
- Read widely and explore the features of different fiction genres
- Explore the features of texts which are about events and experiences, *e.g. diaries*
- Read and perform narrative poems
- Identify the point of view from which a story is told
- Consider how a writer expresses his/her own point of view, *e.g. how characters are presented*
- Compare the structure of different stories
- Recognize a range of less common letter strings in words which may be pronounced differently
- Identify 'silent' vowels in polysyllabic words, *e.g. library, interest*
- Identify unfamiliar words, explore definitions and use new words in context
- Read and evaluate non-fiction texts for purpose, style, clarity and organization
- Skim read to gain an overall sense of a text and scan for specific information

During the Fourth Grading Period, your child will study the following

Learning Standards:

- Investigate the origin and appropriate use of idiomatic phrases
- Begin to interpret imagery and techniques, *e.g. metaphors, personification, simile, adding to understanding beyond the literal*
- Discuss metaphorical expressions and figures of speech
- Note the use of persuasive devices, words and phrases in print and other media
- Compare writing that informs and persuades
- Read and perform narrative poems
- Recognize a range of less common letter strings in words which may be pronounced differently
- Identify 'silent' vowels in polysyllabic words, *e.g. library, interest*
- Identify unfamiliar words, explore definitions and use new words in context
- Read and evaluate non-fiction texts for purpose, style, clarity and organization
- Skim read to gain an overall sense of a text and scan for specific information

READING HELPFUL HINTS AT HOME

- Ask your child to read aloud a story or a short passage from the newspaper, magazines, letters, etc. Notice if your child corrects himself/herself when mispronouncing a word
- Ask your child to read aloud short stories found on the Internet, in books, or magazines
- Read a short passage to your child using expression and varying rate and tone. Ask your child to read the same passage back to you, mimicking expression, rate, and tone
- Read poetry aloud to your child
- Ask your child to complete simple crossword puzzles found in children's magazines or in the newspaper
- Make a game using flash cards that have the basic sight words printed on them with your child
- Create songs or poems using synonyms or antonyms
- Ask your child to use a red crayon to circle all of the contractions (didn't, I've, we're) and a blue crayon to circle possessives (children's, aunt's, someone's) found in a newspaper article
- Keep a "together journal" where you and your child write short stories and poems using frequently used words
- Take opportunities to make connections with child's schoolwork. For example, if one of your child's reading assignments is about tigers, schedule a zoo trip, or watch a television program about tigers, and discuss the show
- Have your child raise a plant from a seed; have him/her search for care information on the Internet or interview a gardener. Keep a gardening journal
- Ask your child to point out the table of contents, glossary, index, etc. in a book
- Take your child to the public library. Ask your child to find information about a topic by using the Internet, dictionaries, etc.
- Read a short story to your child and ask him/her to identify the main idea
- After reading a story to your child, ask your child to retell the story. Make sure that your child mentions the character, setting, plot, conflict, solution, and theme of the story
- Create an opportunity for collecting items from nature such as rocks
- Create a graph that shows characteristics of the rocks such as smooth, rough, round, and color.
- Write a short story that retells your child's experience gathering rocks together
- Encourage your child to use a thesaurus to learn new synonyms and antonyms when writing and speaking
- Take time to discuss why people and characters from television and books are motivated to make the decisions they do. Ask questions that cause your child to infer meaning, make predictions, and draw conclusions
- Give your child a variety of literacy selections to read (fables, fiction, etc.)
- Using fables, discuss with your child the lessons learned from them and discuss how they fit into your child's life
- After reading a passage with your child, question him/her as to the meaning of the passage and the author's reason for writing the passage
- Take your child to a play performance. Prior to the performance, discuss the background of the play and relate the story events/situations to those with which your child is familiar. Following the play, discuss the theme, author's purpose, character, and mood of the play as well as the meaning of any unusual stage devices and sets
- Ask your child to create skits for family performances

SCIENCE

During the Third Grading Period, your child will study the following Learning Standards:

Physics (Light and Dark)

- Know that we see light sources because light from the source enters our eye
- Know that beams/ rays of light can be reflected by surfaces including mirrors
- Know that reflected light enters our eyes and we see the object
- Explore why a beam of light changes direction when it is reflected from a surface
- Explore how opaque materials do not let light through and transparent materials let a lot of light through
- Observe that shadows are formed when light traveling from a source is blocked
- Investigate how the size of a shadow is affected by the position of the object
- Observe that shadows change in length and position throughout the day
- Know that light intensity can be measured

Scientific Inquiry Standards

Ideas and Evidence

- Know that scientists have combined evidence with creative thinking to suggest new ideas and explanations for phenomena
- Use observation and measurement to test predictions and make links

Plan Investigative Work

- Make predictions of what will happen based on scientific knowledge and understanding, and suggest and communicate how to test these
- Use knowledge and understanding to plan how to carry out a fair test
- Collect sufficient evidence to test an idea
- Identify factors that need to be taken into account in different contexts

Obtain and Present Evidence

- Make relevant observations
- Measure volume, temperature, time, length and force
- Discuss the need for repeated observations and measurements
- Present results in bar charts and line graphs

Consider Evidence and Approach

- Decide whether results support predictions
- Begin to evaluate repeated results
- Recognize and make predictions from patterns in data and suggest explanations using scientific knowledge and understanding
- Interpret data and think about whether it is sufficient to draw conclusions

SCIENCE

During the Second Grading Period, your child will study the following

Learning Standards:

Chemistry (States of Matter)

- Know that evaporation occurs when a liquid turns to a gas
- Know that condensation occurs when a gas turns into a liquid and is the reverse of evaporation
- Know that air contains water vapor and when this meets a cold surface it may condense
- Know that the boiling temperature of water is 100°C and the melting point of ice is 0°C
- Know that when a liquid evaporates from a solution the solid is left behind

Scientific Inquiry Standards

Ideas and Evidence

- Know that scientists have combined evidence with creative thinking to suggest new ideas and explanations for phenomena
- Use observation and measurement to test predictions and make links

Plan Investigative Work

- Make predictions of what will happen based on scientific knowledge and understanding, and suggest and communicate how to test these
- Use knowledge and understanding to plan how to carry out a fair test
- Collect sufficient evidence to test an idea
- Identify factors that need to be taken into account in different contexts

Obtain and Present Evidence

- Make relevant observations
- Measure volume, temperature, time, length and force
- Discuss the need for repeated observations and measurements
- Present results in bar charts and line graphs

Consider Evidence and Approach

- Decide whether results support predictions
- Begin to evaluate repeated results
- Recognize and make predictions from patterns in data and suggest explanations using scientific knowledge and understanding
- Interpret data and think about whether it is sufficient to draw conclusions

WRITING

During the First Grading Period, your child will cover the following

Learning Standards:

- Use effective strategies for learning new spellings and misspelled words
- Extend earlier work on prefixes and suffixes, recognizing that different spelling rules apply for suffixes which begin with vowels and those that begin with consonants
- Use known spellings to work out the spelling of related words
- Identify word roots and derivations to support spelling and vocabulary, e.g. *sign, signal, signature*
- Investigate spelling patterns for pluralization, e.g. *-s, -es, -y/-ies, -f/-ves*
- Learn spelling rules for words ending in *-e* and *-y*, e.g. *lake/lakes, try/tries*
- Investigate the spelling of word-final unstressed vowels, e.g. *the unstressed 'er' at the end of butter and unstressed 'ee' at the end of city*
- Identify 'silent' vowels in polysyllabic words, e.g. *library, interest*
- Use dictionaries efficiently and carry out spell checks
- Use a thesaurus to extend vocabulary and choice of words
- Identify unfamiliar words, explore definitions and use new words in context
- Understand conventions of standard English, e.g. *agreement of verbs*
- Use pronouns, making clear to what or to whom they refer
- Investigate clauses within sentences and how they are connected
- Begin to use the comma to separate clauses within sentences and clarify meaning in complex sentences
- Explore ways of combining simple sentences and re-ordering clauses to make compound and complex sentences
- Use an increasing range of subordinating connectives
- Record ideas, reflections and predictions about books, e.g. *in a reading log*
- Practice proofreading and editing own writing for clarity and correctness
- Evaluate own and others' writing
- Review, revise, and edit writing in order to improve it, using as appropriate
- Choose words and phrases carefully to convey feeling and atmosphere
- Maintain a consistent viewpoint when writing
- Map out writing to plan structure, e.g. *paragraphs, sections, chapters*
- Write new scenes or characters into a story, or write from another viewpoint
- Investigate ways of creating opposites, e.g. *un-, in- and comparatives, e.g. -er, -est*
- Collect synonyms and opposites and investigate shades of meaning
- Extend understanding of the use of adverbs to qualify verbs, e.g. *in dialogue*
- Learn how dialogue is set out and punctuated
- Understand the difference between direct and reported speech
- Make notes for different purposes, using simple abbreviations and writing 'in your own words'

WRITING

During the Second Grading Period, your child will study the following Learning Standards:

- Write non-chronological reports and explanations
- Understand the use of 'notes in writing' 'in your own words'
- Make notes for different purposes, using simple abbreviations and writing 'in your own words'
- Use effective strategies for learning new spellings and misspelled words
- Practice proofreading and editing own writing for clarity and correctness
- Review, revise and edit writing in order to improve it, using IT' as appropriate
- Evaluate own and others' writing
- Comment on a writer's use of language and explain reasons for writer's choices
- Write a play-script, including production notes to guide performance
- Investigate ways of creating opposites, *e.g. un-, im- and comparatives, e.g. -er, -est*
- Extend understanding of the use of adverbs to qualify verbs, *e.g. in dialogue*
- Learn how dialogue is set out and punctuated
- Understand the difference between direct and reported speech
- Begin to set out dialogue appropriately, using a range of punctuation
- Investigate the origin and appropriate use of idiomatic phrases
- Understand conventions of standard English, *e.g. agreement of verbs*
- Use pronouns, making clear to what or to whom they refer.
- Investigate clauses within sentences and how they are connected.
- Begin to use the comma to separate clauses within sentences and clarify meaning in complex sentences.
- Explore ways of combining simple sentences and re-ordering clauses to make compound and complex sentences.
- Use an increasing range of subordinating connectives.
- Use imagery and figurative language to evoke imaginative response.
- Investigate the spelling of word-final unstressed vowels, *e.g. the unstressed 'er' at the end of bulter and unstressed 'ee' at the end of city.*
- Use a thesaurus to extend vocabulary and choice of words.
- Use known spellings to work out the spelling of related words.
- Identify word roots and derivations to support spelling and vocabulary, *e.g. sign, signal, signature*
- Learn spelling rules for words ending in -c and -y, *e.g. take/ taking, try/ tries*
- Investigate spelling patterns for pluralization, *e.g. -s, -es, -y/- ies, -f/- ves*
- Extend earlier work on prefixes and suffixes, recognizing that different spelling rules apply for suffixes which begin with vowels and those that begin with consonants.
- Use dictionaries efficiently and carry out ICT spell checks

SCIENCE

During the First Grading Period, your child will study the following Learning Standards:

Biology (plants)

- Investigate how seeds need water and warmth for germination, but not light
- Know that plants need energy from light for growth
- Know that plants reproduce
- Observe how seeds can be dispersed in a variety of ways
- Know that insects pollinate some flowers
- Observe that plants produce flowers which have male and female organs; seeds are formed when pollen from the male organ fertilizes the ovum (female)
- Recognize that flowering plants have a life cycle including pollination, fertilization, seed production, seed dispersal and germination

Scientific Inquiry Standards Ideas and Evidence

- Use observation and measurement to test predictions and make links

Plan Investigative Work

- Make predictions of what will happen based on scientific knowledge and understanding, and suggest and communicate how to test these
- Use knowledge and understanding to plan how to carry out a fair test
- Collect sufficient evidence to test an ideas
- Identify factors that need to be taken into account in different contexts

Obtain and Present Evidence

- Make relevant observations
- Measure volume, temperature, time, length and force
- Discuss the need for repeated observations and measurements
- Present results in bar charts and line graphs

Consider Evidence and Approach

- Decide whether results support predictions
- Begin to evaluate repeated results
- Recognize and make predictions from patterns in data and suggest explanations using scientific knowledge and understanding
- Interpret data and think about whether it is sufficient to draw conclusions

MATHEMATICS HELPFUL HINTS AT HOME

- As you drive, discuss spatial directions on signs and numbers on billboards; figure distances traveled and elapsed times with your child
- Ask your child to use estimation to verify the total for fast food and determine the amount of change you should receive as you wait in line at a drive-through window
- Enlist your child's help when shopping to find the best buy based on price, quantity, size, quality, etc. Point out unit pricing labels on store shelves
- Count floor tiles to find the area of a room
- Look for patterns in your surroundings such as nature, fabrics, wallpaper, quilts, building, etc.
- Involve your child in mathematical decisions needed to plan a party, vacation, garden, or other family activity
- Work with your child on a science project requiring collecting, organizing, and displaying data in graph form and using these data to make predictions (Keep a record of the weather such as highs, lows, precipitation, etc.)
- Ask your child to solve household problems using mental arithmetic. (If you need one can of vegetables to serve 3 people, how many cans would you need to serve 8? Would two be enough? Would three be needed? Why?)
- Ask your child questions about newspaper/magazine graphs or ask him/her to read headlines containing large numbers
- Look for real-life examples of probability such as the probability of rain today
- Engage your child in crafts, sports, games, or other hobbies that require measurement or computation
- Ask your child to help with recipes in the kitchen. Have them predict the amounts needed if the servings changed (e.g. if two cups of sugar are needed to serve 4, how many would be needed to serve 16?)
- Play card and board games using math concepts as a centerpiece (e.g. Yatzee, Connect 4, Sudoku, Monopoly, Rummy, Pyramid Solitaire, etc.)
- Ask your child to "teach" you what he/she learned in their lesson that day
- Ask your child to help with household projects such as carpentry or plumbing that requires geometric or algebraic understanding

WRITING

During the Third Grading Period, your child will study the following Learning Standards:

- Write own versions of legends, myths, and fables, using structures from reading
- Choose words and phrases carefully to convey feeling and atmosphere
- Use imagery and figurative language to evoke imaginative response
- Map out writing to plan structure, e.g. *paragraphs, sections, chapters*
- Evaluate own and others' writing
- Use effective strategies for learning new spellings and misspelled words
- Practice proofreading and editing own writing for clarity and correctness
- Revise, reword, and edit writing in order to improve it, using IT as appropriate
- Investigate ways of creating opposites, e.g. *un-, im-* and comparatives, e.g. *-er, -est*
- Extend understanding of the use of adverbs to qualify verbs, e.g. *in dialogue*
- Learn how dialogue is set out and punctuated
- Understand the difference between direct and reported speech
- Investigate the origin and appropriate use of idiomatic phrases
- Make notes for different purposes, using simple abbreviations and writing 'in your own words'
- Write a play-script, including production notes to guide performance.
- Begin to use the comma to separate clauses within sentences and clarify meaning in complex sentences.
- Understand conventions of standard English, e.g. *agreement of verbs*
- Use pronouns, making clear to what or to whom they refer.
- Investigate clauses within sentences and how they are connected.
- Explore ways of combining simple sentences and re-ordering clauses to make compound and complex sentences.
- Use an increasing range of subordinating connectives.
- Investigate the spelling of word-final unstressed vowels, e.g. *the unstressed 'er' at the end of baller and unstressed 'ee' at the end of city*.
- Use a thesaurus to extend vocabulary and choice of words.
- Use known spellings to work out the spelling of related words.
- Identify word roots and derivations to support spelling and vocabulary, e.g. *sign, signal, signature*
- Learn spelling rules for words ending in *-e* and *-y*, e.g. *take/taking, try/tries*
- Investigate spelling patterns for pluralization, e.g. *-s, -es, -y/-ies, -f/-ves*.
- Extend earlier work on prefixes and suffixes, recognizing that different spelling rules apply for suffixes which begin with vowels and those that begin with consonants.
- Use dictionaries efficiently and carry out ICT spell checks

WRITING

During the Fourth Grading Period, your child will study the following Learning Standards:

- Map out writing to plan structure, *e.g. paragraphs, sections, chapters*
- Write new scenes or characters into a story, or write from another viewpoint
- Choose words and phrases carefully to convey feeling and atmosphere
- Maintain a consistent viewpoint when writing
- Use imagery and figurative language to evoke imaginative response
- Begin to attempt to establish links between paragraphs using adverbs
- Use effective strategies for learning new spellings and misspelled words
- Practice proofreading and editing own writing for clarity and correctness
- Begin to use the comma to separate clauses within sentences and clarify meaning in complex sentences
- Evaluate own and others' writing
- Spell and make correct use of possessive pronouns, *e.g. their, theirs, my, mine*
- Revise grammatical homophones, *e.g. they're, their, there*
- Use apostrophes for both possession and shortened forms
- Identify prepositions and use the term
- Shape and organize ideas clearly when speaking to aid listener
- Draft and write letters for real purposes
- Use a more specialized vocabulary to match the topic
- Write a commentary on an issue, setting out and justifying a personal view
- Use effective strategies for learning new spellings and misspelled words
- Review, revise and edit writing in order to improve it, using IT as appropriate
- Write a play-script, including production notes to guide performance
- Understand conventions of standard English, *e.g. agreement of verbs*
- Use pronouns, making clear to what or to whom they refer
- Investigate clauses within sentences and how they are connected
- Explore ways of combining simple sentences and re-ordering clauses to make compound and complex sentences
- Use an increasing range of subordinating connectives
- Investigate the spelling of word-final unstressed vowels, *e.g. the unstressed 'er' at the end of butter and unstressed 'er' at the end of city*
- Use a thesaurus to extend vocabulary and choice of words
- Use known spellings to work out the spelling of related words
- Identify word roots and derivations to support spelling and vocabulary, *e.g. sign, signal, signature*
- Learn spelling rules for words ending in -e and -y, *e.g. take/taking, try/tries*
- Investigate spelling patterns for pluralization, *e.g. -s, -es, y/-ies, f/-ves*
- Extend earlier work on prefixes and suffixes, recognizing that different spelling rules apply for suffixes which begin with vowels and those that begin with consonants
- Use dictionaries efficiently and carry out ICT spell checks

MATHEMATICS

Fourth Grading Period, Continued...

Measurement - Time

- Recognize and use the units for time: seconds, minutes, hours, days, months and years
- Tell and compare the time using digital and analog clocks using the 24 hour clock
- Read timetables using the 24 hour clock
- Calculate time intervals in seconds, minutes, hours using digital and analog formats
- Use a calendar to calculate time intervals in days and weeks
- Calculate time intervals in months or years

Measurement - Area and Perimeter

- Measure and calculate the perimeter of regular and irregular polygons
- Understand area measured in square centimeters
- Use the formula for the area of a rectangle to calculate the rectangles area

MATHEMATICS

WRITING HELPFUL HINTS AT HOME

Fourth Grading Period, Continued...

Problem Solving – Techniques and Skills

- Solve single and multi-step word problems: represent them
- Check with a different order when adding several numbers or by using the inverse when adding or subtracting a pair of numbers
- Estimate and approximate when calculating using rounding and check working
- Understand everyday systems or measurement in length, weight, capacity, temperature and time and use these to perform simple calculations
- Consider whether an answer is reasonable in the context of a problem

Problem Solving – Understanding Strategies in Solving Problems

- Choose an appropriate strategy for a calculation and explain how they worked out the answer
- Explore and solve number problems and puzzles
- Deduce new information from existing information to solve problems
- Use ordered lists and tables to help to solve problems systematically
- Describe and continue number sequences, e.g. $-30, -27, \square, \square, -18, \dots$; *identify the relationships between numbers*
- Investigate a simple general statement by finding examples which do or do not satisfy it
- Explain methods and justify reasoning orally and in writing, make hypotheses and test them out
- Solve a larger problem by breaking it down into sub problems or represent it using diagrams

Geometry – Shapes and Geometric Reasoning

- Visualize 3-Dimensional shapes from 2-Dimensional drawings and nets, e.g. different nets of an open or closed cube
- Create patterns with two lines of symmetry, e.g. on a pageboard or coordinate paper
- Understand and use angle measure in degrees; measure angles to the nearest 5° ; identify, describe and estimate the size of angles and classify them as acute, right or obtuse
- Calculate angles in a straight line

Geometry – Position and Movement

- Understand translation as movement along a straight line, identify where polygons will be after a translation and give instructions for translating shapes

Measurement – Length, Mass, and Capacity

- Read, choose, use and record standard units to estimate and measure length, mass and capacity to a suitable degree of accuracy
- Convert larger to smaller metric units
- Order measurements in mixed units
- Round measurements to the nearest whole unit
- Interpret a reading that lies between two unnumbered divisions on a scale
- Compare readings on different scales
- Draw and measure lines to the nearest centimeter and millimeter

- Write a word for your child, and have him/her write additional words that are similar in meaning to the word
- Provide your child with sentences that contain capitalization and punctuation errors, and have him/her correct the mistakes
- Provide your child with who/what words (cat, dog, etc.), and have your child add action words (jump, bark, etc.) by asking questions
- Have your child read a story and identify the story elements
- Read a story to your child, and have him/her write a summary of it
- Provide your child with a list of events from a story that are not in sequential order (out of order), and have him/her list the events in the correct order
- Take your child to the library to locate information on a topic, and have him/her write a report on the topic
- Have your child follow a current event and write a report on it
- Take your child to an event (basketball game, play or musical, etc.), have your child record the events that take place, and have your child write a report on the event
- Have your child read a story of his/her choice and write one detail from the story to support why the author wrote the story
- Have your child write a letter to you persuading you to extend his/her bedtime by one hour
- Have your child write a paragraph describing an object, and have you guess what the object is
- Have your child write a paragraph describing how to hit a baseball
- Have your child write about a funny or scary experience that he/she has had
- Have your child write a recipe for his/her favorite food
- Have your child draw and label a map giving directions from his/her home to school
- Have your child write rules for his/her favorite game
- Have your child read a story such as “The Three Little Pigs” and write how the characters are alike and different
- Have your child write a different ending to a story
- Read a story to your child, have your child draw a picture of the story as he/she “sees” it in his/her mind, and have your child write about what is going on in his/her drawing

SPEAKING & LISTENING

During the First Grading Period, your child will study the following Learning Standards:

- Locate information confidently and efficiently from different sources
- Look for information in non-fiction texts to build on what is already known
- Develop note-taking to extract key points and to group and link ideas
- Read and evaluate non-fiction texts for purpose, style, clarity and organization
- Understand the use of impersonal style in explanatory texts
- Recall and discuss important features of a talk, possibly contributing new ideas
- Revise different word classes

During the Second Grading Period, your child will study the following Learning Standards:

- Talk confidently in extended turns and listen purposefully in a range of contexts
- Describe events and convey opinions with increasing clarity and detail
- Make notes for different purposes, using simple abbreviations and writing 'in your own words'
- Report back to a group, using notes to present findings about a topic studied, evaluate what is heard and give reasons for agreement or disagreement
- Convey ideas about characters in drama through deliberate choice of speech, gesture, and movement
- Recall and discuss important features of a talk, possibly contributing new ideas
- Revise different word classes

During the Third Grading Period, your child will study the following Learning Standards:

- Talk confidently in extended turns and listen purposefully in a range of contexts
- Describe events and convey opinions with increasing clarity and detail
- Shape and organize ideas clearly when speaking to aid listener
- Begin to adapt non-verbal gestures and vocabulary to suit content and audience
- Describe events and convey opinions with increasing clarity and detail
- Recall and discuss important features of a talk, possibly contributing new ideas
- Convey ideas about characters in drama through deliberate choice of speech, gesture and movement
- Investigate the origin and appropriate use of idiomatic phrases
- Spell and make correct use of possessive pronouns, *e.g. their, theirs, my, mine*
- Revise grammatical homophones, *e.g. they're, their, there*
- Use apostrophes for both possession and shortened forms
- Identify prepositions and use the term
- Revise different word classes

During the Fourth Grading Period, your child will study the following Learning Standards:

- Prepare and present an argument to persuade others to adopt a point of view
- Begin to discuss how and why language choices vary in different situations
- Recall and discuss important features of a talk, possibly contributing new ideas
- Begin to adapt non-verbal gestures and vocabulary to suit content and audience
- Convey ideas about characters in drama through deliberate choice of speech, gesture and movement
- Revise different word classes

MATHEMATICS

Third Grading Period, Continued.... Problem Solving – Techniques and Skills

- Understand everyday systems or measurement in length, weight, capacity, temperature and time and use these to perform simple calculations
- Consider whether an answer is reasonable in the context of a problem

Number and the Number System

- Use decimal notation for tenths and hundredths and understand what each digit represents
- Round a number with one or two decimal places to the nearest whole number
- Order and compare negative and positive numbers on a number line and temperature scale
- Recognize equivalence between: $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{1}{8}$; $\frac{1}{5}$ and $\frac{1}{10}$
- Relate finding fractions to division and use to find simple fractions of quantities
- Recognize equivalence between the decimal and fraction forms of halves, tenths and hundredths and use this to help order fractions, *e.g. 0.6 is more than 50% and less than $\frac{7}{10}$*
- Change an improper fraction to a mixed number, *e.g. $7/4$ to $1 \frac{3}{4}$; order mixed numbers and place between whole numbers on a number line*

During the Fourth Grading Period, your child will study Learning Standards

Number and the Number System

- Calculate a rise or fall in temperature
- Order numbers with one or two decimal places and compare using the $>$ and $<$ signs
- Understand percentage as the number of parts in every 100 and find simple percentages of quantities
- Express halves, tenths and hundredths as percentages
- Use fractions to describe and estimate a simple proportion, *e.g. $\frac{1}{5}$ of the beads are yellow*
- Use ratio to solve problems, *e.g. to adapt a recipe for 6 people to one for 3 or 12 people*

Number and Calculation

- Know by heart pairs of one-place decimals with a total of 1, *e.g. $0.8 + 0.2$*
- Derive quickly pairs of decimals with a total of 10, and with a total of 1
- Add or subtract near multiples of 10 or 100, *e.g. $4387-299$*
- Calculate differences between near multiples of 1000
- Multiply multiples of 10 to 90, and multiples of 100 to 900, by a single-digit number
- Multiply by 19 or 21 by multiplying by 20 and adjusting
- Multiply by 25 by multiplying by 100 and dividing by 4
- Use factors to multiply, *e.g. multiply by 3, then double to multiply by 6*
- Double any number up to 100 and halve even numbers to 200 and use this to double and halve numbers with one or two decimal places, *e.g. double 3.4 and half of 8.6*
- Double multiples of 10 to 1000 and multiples of 100 to 10 000, *e.g. double 360 or double 3600, and derive the corresponding halves*
- Find the total of more than 3 two or three digit numbers using a written method
- Add or subtract any pair of three- and/or four-digit numbers, with the same number of decimal places, including amounts of money
- Start expressing remainders as a fraction of the divisor when dividing two-digit numbers by single-digit numbers
- Begin to use brackets to order operations and understand the relationship between the four operations and how the laws of arithmetic apply to multiplication

MATHEMATICS

MATHEMATICS

During the Third Grading Period, your child will study the following Learning Standards:

- Data Handling – Organizing, Categorizing, and Representing Data**
 - Answer a set of related questions by collecting, selecting and organizing relevant data; draw conclusions from their own and others' data and identify further questions to ask
 - Draw and interpret frequency tables, pictograms and bar line charts, with the vertical axis labeled for example in twos, fives, tens, twenties or hundreds. Consider the effect of changing the scale on the vertical axis
 - Construct simple line graphs, e.g. to show changes in temperature over time
 - Understand where intermediate points have and do not have meaning, e.g. comparing a line graph of temperature against time with a graph of class attendance for each day of the week
 - Find and interpret the mode of a set of data

Data Handling - Probability

- Describe the occurrence of familiar events using the language of chance or likelihood

Problem Solving – Understanding Strategies in Solving Problems

- Use ordered lists and tables to help solve problems systematically
- Investigate a simple statement by finding examples which do or do not satisfy it
- Choose an appropriate strategy for a calculation and explain how they worked out the answer
- Deduce new information from existing information to solve problems
- Explain methods and justify reasoning orally and in writing, make hypotheses and test them out
- Solve a larger problem by breaking it down into sub problems or represent it using diagrams

Measurement – Length, Mass, and Capacity

- Order measurements in mixed units
- Round measurements to the nearest whole unit
- Interpret a reading that lies between two unnumbered divisions on a scale
- Compare readings on different scales
- Draw and measure lines to the nearest centimeter and millimeter

Measurement - Time

- Recognize and use the units for time: seconds, minutes, hours, days, months and years
- Tell and compare the time using digital and analog clocks using the 24 hour clock
- Read timetables using the 24 hour clock
- Calculate time intervals in seconds, minutes, hours using digital and analog formats
- Use a calendar to calculate time intervals in days and weeks
- Calculate time intervals in months or years

Measurement – Area and Perimeter

- Measure and calculate the perimeter of regular and irregular polygons
- Understand area measured in square centimeters
- Use the formula for the area of a rectangle to calculate the rectangles area

During the First Grading Period, your child will study the following

Learning Standards:

Number and the Number System

- Count forward and back in steps of constant size, extending beyond zero
- Know what each digit represents in 5 and 6 digit numbers
- Partition any number up to one million into thousands, hundreds, tens and units
- Multiply and divide any number from 1 to 10,000 by 10 or 100 and understand the effect
- Round 4 digit numbers to the nearest 10, 100 or 1000
- Order and compare numbers up to a million using the > and < signs
- Recognize and extend number sequences
- Recognize odd and even numbers and multiples of 5, 10, 25, 50 and 100 up to 1000

Number and Calculation

- Know multiplication and division facts for the 2x to 10x tables
- Know and apply tests of divisibility by 2, 5, 10, and 100
- Recognize multiples of 6, 7, 8 and 9 up to the 10th multiple
- Know squares of all numbers to 10 x 10
- Find factors of 2 digit numbers
- Count forward and backwards in thousands, hundreds, tens and ones to add or subtract
- Use appropriate strategies to add or subtract pairs of 2 and 3 digit numbers, using scratch paper where necessary
- Decide whether to round an answer up or down after division, depending on the context
- Find the total of more than 3 two or three digit numbers using a written method
- Multiply or divide 3 digit numbers by single digit numbers
- Multiply 2 digit numbers by 2 digit numbers
- Divide 3 digit numbers by a single digit number including those with a remainder (answers < 30).
- Decide whether to group (using multiplication facts and multiples of the divisor) or to share (halving and quartering) to solve divisions

Problem Solving – Techniques and Skills

- Solve single and multi-step word problems: represent them
- Check with a different order when adding several numbers or by using the inverse when adding or subtracting a pair of numbers
- Estimate and approximate when calculating using rounding and check working
- Consider whether an answer is reasonable in the context of a problem

Problem Solving – Understanding Strategies in Solving Problems

- Choose an appropriate strategy for a calculation and explain how they worked out the answer
- Explore and solve number problems and puzzles
- Use ordered lists and tables to help to solve problems systematically
- Investigate a simple general statement by finding examples which do or do not satisfy it
- Explain methods and justify reasoning orally and in writing; make hypotheses and test them out
- Solve a larger problem by breaking it down into sub-problems or represent it using diagrams
- Deduce new information from existing information to solve problems

Geometry – Shapes and Geometric Reasoning

- Recognize reflective and rotational symmetry in regular polygons
- Visualize 3-Dimensional shapes from 2-Dimensional drawings and nets, e.g. different nets of an open or closed cube
- Recognize perpendicular and parallel lines in 2D shapes, drawings and the environment

MATHEMATICS

MATHEMATICS

First Grading period, Continued...

Geometry – Position and Movement

- Read and plot coordinates in the first quadrant
- Predict where a polygon will be after reflection where the mirror line is parallel to one of the sides, including where the line is oblique
- Understand translation as movement along a straight line, identify where polygons will be after a translation and give instructions for translating shapes

Measurement – Length, Mass, and Capacity

- Read, choose, use, and record standard units to estimate and measure length, mass and capacity to a suitable degree of accuracy
- Convert larger to smaller metric units

During the Second Grading Period, your child will study the following Learning Standards:

Measurement – Length, Mass, and Capacity

- Order measurements in mixed units
- Round measurements to the nearest whole unit
- Interpret a reading that lies between two unnumbered divisions on a scale
- Compare readings on different scales
- Draw and measure lines to the nearest centimeter and millimeter

Measurement - Time

- Recognize and use the units for time: seconds, minutes, hours, days, months and years
- Tell and compare the time using digital and analog clocks using the 24 hour clock
- Read timetables using the 24 hour clock
- Calculate time intervals in seconds, minutes, hours using digital and analog formats
- Use a calendar to calculate time intervals in days and weeks

Measurement – Area and Perimeter

- Measure and calculate the perimeter of regular and irregular polygons
- Understand area measured in square centimeters
- Use the formula for the area of a rectangle to calculate the rectangles area

Problem Solving – Techniques and Skills

- Understand everyday systems of measurement in length, weight, capacity, temperature and time and use these to perform simple calculations
- Solve single and multi-step word problems: represent them
- Check with a different order when adding several numbers or by using the inverse when adding or subtracting a pair of numbers
- Use multiplication to check the result of a division, *e.g. multiply 3.7×8 to check $29.6 \div 8$*
- Estimate and approximate when calculating – using rounding and check working
- Consider whether an answer is reasonable in the context of a problem

Second Grading Period, Continued...

Problem Solving – Understanding Strategies in Solving Problems

- Deduce new information from existing information to solve problems
- Use ordered lists and tables to help solve problems systematically
- Choose an appropriate strategy for a calculation and explain how they worked out the answer
- Explore and solve number problems and puzzles
- Investigate a simple general statement by finding examples which do or do not satisfy it
- Explain methods and justify reasoning orally and in writing; make hypotheses and test them out
- Solve a larger problem by breaking it down into sub-problems or represent it using diagrams
- Describe and continue number sequences; identify the relationships between numbers

Number and the Number System

- Calculate a rise or fall in temperature
- Order numbers with one or two decimal places and compare using the $>$ and $<$ signs
- Make general statements about sums, differences, and multiples of odd and even numbers

Number and Calculation

- Know multiplication and division facts for the 2x and 10x tables
- Know and apply tests of divisibility by 2, 5, 10, and 100
- Recognize multiples of 6, 7, 8, and 9 up to the 10th multiple
- Find factors of 2-digit numbers
- Count on or back in thousands, hundreds, tens and ones to add or subtract
- Use appropriate strategies to add or subtract pairs of 2 and 3 digit numbers, using jottings where necessary
- Know by heart pairs of one-place decimals with a total of 1, *e.g. $0.8 + 0.2$*
- Derive quickly pairs of decimals with a total of 10, and with a total of 1
- Add or subtract near multiples of 10 or 100, *e.g. $4387 - 299$*
- Calculate differences between near multiples of 1000
- Multiply by 19 or 21 by multiplying by 20 and adjusting
- Multiply by 25 by multiplying by 100 and dividing by 4
- Use factors to multiply, *e.g. multiply by 3, then double to multiply by 6*
- Double any number up to 100 and halve even numbers to 200 and use this to double and halve numbers with one or two decimal places, *e.g. double 3.4 and half of 8.6*
- Double multiples of 10 to 1000 and multiples of 100 to 10 000, *e.g. double 360 or double 3600, and derive the corresponding halves*
- Find the total of more than 3 two or three digit numbers using a written method
- Add or subtract any pair of three- and/or four-digit numbers, with the same number of decimal places, including amounts of money
- Multiply or divide 3-digit numbers by single-digit numbers
- Multiply 2-digit numbers by 2-digit numbers
- Divide 3 digit numbers by a single digit number including those with a remainder (answers < 30)