



2ND GRADE

COURSE LIST

Language Arts/Reading

Unit 1 – Personal Narrative

This unit discusses personal narratives, including the elements of character, setting, plot, main ideas, details, description, cause and effect, and summary. Recognizing and writing a personal narrative are also discussed, as well as writing friendly letters and journal entries. In addition, sentences are covered, including subjects and predicates, statements, questions, commands, exclamations, and combining sentences. Spelling and vocabulary are also included.

Unit 2 – How-To Article

This unit discusses reading strategies including rereading for comprehension, making predictions, reading ahead, and making inferences. Also discussed are plural, proper, and possessive nouns, spelling and vocabulary, and writing a report about a friend, writing directions, writing a report about an experience, writing a thank you letter, and writing a biography.

Unit 3 – Persuasive Writing

This unit covers reading strategies including visualizing and drawing conclusions, and discusses author's purpose, alliteration, onomatopoeia, and folktales. Also covered are writing an advertisement, writing a personal narrative story, writing a narrative with conversations, writing a persuasive letter, and writing a descriptive poem. Vocabulary and spelling are also included, as well as grammar spotlights on action verbs, past-tense verbs, and using the word have.



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Language Arts/Reading

Unit 4 – Expository Composition

This unit presents grammar spotlights on linking verbs, helping verbs, irregular verbs, and contractions. It discusses reading strategies including using context clues, illustrations, sequence of events, analysis of text structure, and distinguishing fantasy and reality. Also discussed are how to write a strong paragraph, an expository composition, and an expository letter. Helping verbs, irregular verbs, and contractions, spelling and vocabulary are also included.

Unit 5 – Realistic Fiction

This unit discusses writing a how-to poster, writing a sequence of events, writing to tell a story, writing with a variety of words, and writing a book report. It also covers reading strategies for comprehension including summarizing and drawing conclusions, recognizing suffixes and prefixes, thinking and comparing, and making inferences. Grammar spotlights include the pronouns I, me, we, and us along with possessive pronouns, homophones, contractions, and pronoun-verb agreement. Also included are spelling and vocabulary.

Unit 6 – Compare and Contrast Composition

This unit discusses vocabulary and spelling, adjectives, articles, synonyms, antonyms, comparative adjectives, and adverbs. It also covers generating questions, understanding inflected nouns, discovering problems and solutions, visualizing cause and effect, and developing comprehension, as well as writing a summary, writing an expository essay, and writing to compare and contrast.



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COURSE LIST

Math

Unit 1

In the first unit of the course, students will begin by reviewing and building on their addition skills. Following this, they will be introduced to other useful tools, such as math tiles and number lines. The unit will close by discovering doubles and near doubles facts.

Unit 2

Unit 2 continues the student's work with addition. First, they will explore adding onto tens and making tens. Next, they will investigate adding zeros and changing the order of addends. The students will complete the unit by examining word problems and adding three numbers at once.

Unit 3

This unit dives into subtraction. Students will begin with a review on subtracting problems using a model. Following this, they will explore word problems and number lines using subtraction.

Unit 4

Unit 4 combines exercises in addition and subtraction using part-part-whole diagrams. They will practice relating addition and subtraction facts to solve for the answer. Next, students will learn to identify missing parts of problems, such as addends and the missing whole. They will close the unit by exploring addition and subtraction using number lines.



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Math

Unit 5

This unit explores the way numbers are written or worded. It begins by identifying tens and how to figure and write numbers using ones and tens. Next, students will examine place values and expanded forms. They will conclude the unit by counting to 100 and learning the different ways to write numbers.

Unit 6

Unit 6 begins by exploring the concepts of less than, greater than, and equal to. Following this, students will investigate odd and even numbers and will complete the unit by learning to count by fives, and tens.

Unit 7

This unit explores setting up and adding two-digit numbers. Students begin with regrouping, modeling, and recording. They will follow that up with practice of two-digit addition. Finally, they will investigate rewriting two-digit problems and solving them.

Unit 8

Unit 8 begins with students learning how to add by tens in their minds and how to round to the nearest ten. Next, they will practice with two-digit addition with sums that are larger than 100 before progressing to adding three and four two-digit numbers at a time.

Unit 9

This unit is similar to unit 7, only using subtraction. Students start with regrouping, modeling, and recording two-digit subtraction. They will complete the unit by rewriting and solving two-digit subtraction problems.



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Math

Unit 10

Unit 10 dives deeper into two-digit subtraction. Students begin with exercises in subtracting two-digit numbers. Next, they will explore the application of two-digit subtraction and then they will finish the unit by learning to check their problems by using addition.

Unit 11

This unit begins by showing students how to subtract tens mentally and practicing two-digit addition and subtraction. Next, they will explore using addition and subtraction to solve real world situations and will close the unit by investigating subtraction with two subtrahends.

Unit 12

In the last unit before the midterm, students will explore graphs and surveys. They will examine surveys, bar graphs, pictographs, and line plots. They will conclude the unit by discovering how to use graphs in science.

Unit 13

This unit explores money and how to count it. It begins by showing students how to count pennies, nickels, and dimes before a lesson in their value. Next, they will discover half dollars and quarters and how to count them. Finally, they will examine full dollars and then combining them with coins.

Unit 14

This unit helps students investigate the importance of saving money, as well as withdrawals and deposits. Following this, they will examine responsible borrowing and lending decisions. Next, students will practice counting money and then will learn to solve money word problems. Finally, they will explore money symbols and the cost of making things.



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Math

Unit 15

Unit 15 explores the different ways of telling time. Students begin by examining minutes and hours, followed by telling time to fifteen minutes and then five minutes. To conclude, they will discover the difference between A.M. and P.M. and how to tell time to the nearest minute.

Unit 16

This unit has students investigating plane and solid figures. They will begin by identifying plane figures and then examining their sides and vertices, as well as combining and separating them. Students will study solid figures, how to combine them, and their relationship to plane figures.

Unit 17

This unit introduces the students to standard and metric measurements. They will explore inches, feet, yards, and miles, followed by centimeters and meters. They will complete the unit by measuring the length of objects using different units.

Unit 18

Unit 18 further explores measurement. Students begin by examining how to use measuring tapes and comparing lengths of various items. Next, they will be introduced to word problems concerning length. Finally, they will discover the relationship between length and line plots and will conclude the unit by exploring the area.

Unit 19

This unit introduces students to fractions. They will compare fractions before examining numerators and denominators. To conclude the unit, they will investigate fractions that describe one whole and fractions that are greater than one whole.



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Math

Unit 20

This unit explores the difference between ones, tens, hundreds, and thousands. Furthermore, students will study number words that go to 1,000, as well as the expanded form of three-digit numbers. They will close the unit by comparing numbers to 1,200.

Unit 21

Unit 21 begins with skip-counting by hundreds and adding hundreds mentally. Next, students will study regrouping ones in three-digit addition, followed by regrouping tens in three-digit addition. Finally, they will be given three-digit addition problems to complete.

Unit 22

In this unit, students will first be presented with subtracting hundreds. Following this, they will study regrouping tens and hundreds in three-digit subtraction, as well as practice problems using three-digit addition and subtraction. Students will close the unit by examining and solving multi-step word problems.

Unit 23

In the last unit of the course, students will explore skip counting by threes, fours, sixes, sevens, eights, and nines, as well as using skip counting to find totals. Next, they will investigate the relationship between addition and multiplication and will finish the course with a small introduction to division.



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Science

Unit 1 – Plants

This unit discusses the parts of plants, plants' need for water, how different seeds look and work, plants that have flowers and plants that do not, plant adaptations for woodlands, prairies, deserts, and marshes, and how plant parts can be used to grow a complete plant.

Unit 2 – Animals

This unit covers animals with backbones – including mammals, reptiles, amphibians, birds, and fish – and animals without backbones. Live insects are displayed and described, and classification is introduced.

Unit 3 – Food Chains and Life Cycles

This unit discusses the concept of producers and consumers, food chains in grasslands and oceans, how plants and animals help each other and how yeast makes bread rise. Life cycles are also explained, with examples of Monarch Butterflies, the American Robin, the Red-footed Tortoise, and Bean Plants.

Unit 4 – Earth's Resources

This unit discusses natural resources such as rocks, soil, and plants. It explores how the earth changes and how people can protect the earth. It also covers fossils, dinosaurs, and erosion.

Unit 5 – Weather and Seasons

This unit discusses different kinds of weather, including the four seasons, thunderstorms, tornadoes, and hurricanes, as well as unusual weather events and the water cycle.



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Science

Unit 6 – Matter

This unit discusses the properties and states of matter, how matter changes and can be mixed and separated, how temperature can change matter, and how chemical reactions work.

Unit 7 – Energy

This unit discusses solar energy, heat energy, and light energy, etc, as well as how light can be changed, as well as shadows and electricity.

Unit 8 – Forces, Motion, and Sound

This unit discusses force, motion, and work, gravity, simple machines, magnets, and sound.

Unit 9 – Space

This unit discusses the sun, the way earth's rotation creates day and night, how the seasons change, the moon and the planets in our solar system. Also covered are the stars, the constellations, shooting stars, space rocks, and space exploration.

Unit 10 – Technology

This unit discusses what technology is and how it can help us in transportation, in health, communication, meteorology, robotics, and energy.



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COURSE LIST

Social Studies

Unit 1 – Where Do You Live?

This unit discusses places where people live, how people form groups, what neighborhoods are, rules and laws, voting, how citizens care about the people around them, and what communities are.

Unit 2 – Neighborhoods

This unit discusses reading a map and how time changes communities. Also covered are urban, suburban, and rural areas, where we are in the world, and symbols of the USA.

Unit 3 – Regions of the World

This unit discusses other countries of the world, landforms and water, different climates, and how climate impacts lifestyles in different regions of the world.

Unit 4 – Earth's Resources

This unit discusses how food goes from the farm to the consumer, how produce is grown, using natural resources, and using bar graphs. Also included is a biography of Johnny Appleseed.

Unit 5 - Planet Earth

This unit discusses taking care of the Earth, cause and effect, recycling, responsibility as a citizen. Also included is a biography of Rachel Carson.



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Social Studies

Unit 6 – Working Hard

This unit discusses predicting the order of events, handling money, making important decisions, being diligent, different ways to make and use money, and using pie charts.

Unit 7 - Jobs and Trades

This unit discusses career options, how goods go from the factory to the consumer, how countries trade, how bartering works, and what riddles are.

Unit 8 – Our Government

This unit discusses the concept of the main idea, the local, state, and federal governments, respect, using a table, voting, and our leaders and lawmakers. Also included is a biography of Thurgood Marshall.

Unit 9 - The USA

This unit discusses the American flag, national anthem, and freedom. Students will also learn how to use a compass rose, use a map to locate a place, and study international flags.

Unit 10 - The Study of History

This unit discusses ancient artifacts and inventions, the study of archaeology, Native American tribes, and the first English colonists.



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Social Studies

Unit 11 – The USA Begins

This unit discusses the English Colonies, Thanksgiving, distances on a map, colonial life and Independence Day. Also included is a biography of John Paul Jones.

Unit 12 - The USA Expands

This unit discusses how our country expanded, pioneer life, the Civil War, timelines, ordering events, and remembering details. Also included is a biography of Sojourner Truth.

Unit 13 – The USA Grows

This unit covers changes in transportation, immigrants, ancestors, courage, the importance of communication, how news is spread, and researching a topic. Also included are biographies of Amelia Earhart and Alexander Graham Bell.

Unit 14 - Holidays and Landmarks

This unit covers American holidays and landmarks, holidays around the world, calendars, landmarks of the world, and community heroes. Also included is a biography of Maya Lin.