



Syllabus 2016 - 2017
Fifth Grade



The Learning Castle
&
La Cañada Preparatory
4490 Cornishon Avenue
La Canada, Flintridge, CA 91011

LANGUAGE ARTS for Fifth Grade

TEXT(S): Workbook Plus, Houghton Mifflin
Reteaching Workbook, Houghton Mifflin
Vocabulary Workshop, Sadlier-Oxford
Various novels throughout the year

COURSE DESCRIPTION

This course aims to guide fifth-grade students to a proficient or advanced level of mastery of the Common Core English Language Standards. Throughout the year, students will explore new and more advanced concepts in grammar, vocabulary, spelling, speaking and listening, writing, and various literary genres encompassing non-fiction and fiction works from classic and modern literature as well as various current and content-related articles. This rigorous course will not only be rewarding but will prepare students for their academic future.

GOALS AND OBJECTIVES

1. Mastery of grade-level grammar concepts and grammar vocabulary.
2. Practice and mastery of grade-level and above grade-level vocabulary.
3. Improvement of reading fluency, comprehension, and the ability to identify the various elements in a story and/or novel including theme.
4. Incorporation of various writing elements in written text (narratives, instructional, opinion, informative/explanatory, research).

COURSE OUTLINE

I. Language Conventions (Grammar)

- A. Classwork
- B. Homework will be assigned on a designated day.
- C. Assessments will occur during the course of the semester.

II. Vocabulary

- A. Classwork will include introduction of new word lists.
- B. Homework will be assigned on a designated day and worksheets will be due two to three days following the assignment.
- C. Assessments will be on the same day of each six-day rotation.

III. Reading

- A. Class work will include reading out loud of the class book.
- B. Homework consists primarily of independent reading and the implementation of the Accelerated Reader program. Additional information will follow.
- C. Assessments will occur during the course of the semester.

GRADING

Percentage Breakdown

Literature	30%
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Classwork (discussions & activities)	10%
Homework	5%
Assessments	15%

Vocabulary	30%
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Classwork	5%
Homework	10%
Assessments	15%
Language Conventions	25%
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Classwork	15%
Assessments	10%
Writing	15%
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Classwork	10%
Homework	5%



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MATHEMATICS for Fifth Grade

COURSE DESCRIPTION:

CURRICULUM PROGRESSION:

Math Steps 5, Houghton Mifflin (consumable provided by LCP)
Pre-Algebra, Richards, McDougal Littell

COURSE DESCRIPTION:

Mathematical skills and lessons based upon California State Standards for the fifth grade level will be taught. These will include addition, subtraction, multiplication, division, problem solving, place value, time, graphing data, geometry, measurement, data analysis, probability, and introduction to fractions and decimals. Upon the completion of grade-level curriculum, students will begin working on above grade-level work.

COURSE GOALS AND OBJECTIVES

By the end of the fifth grade, students will:

1. Calculate and solve problems involving addition, subtraction, multiplication, and division for the fifth grade level
2. Estimate, round and manipulate very large (e.g., millions) and very small (e.g., thousandths) numbers
3. Identify place value
4. Interpret percents as a part of a hundred; find decimal and percent equivalents for common fractions

5. Identify and represent on a number line decimals, fractions, mixed numbers, positive and negative numbers
6. Add, subtract, multiply and divide with decimals
7. Add and subtract with positive and negative numbers
8. Add, subtract, multiply and divide fractions and apply these procedures to solving problems
9. Identify and graph ordered pairs in the four quadrants of the coordinate plane
10. Understand and use formulas to solve problems involving perimeters, areas and volume
11. Measure, identify and draw angles, perpendicular and parallel lines, rectangles, and triangles by using appropriate tools (e.g., straightedge, ruler, compass and protractor)
12. Know the concepts of mean, median and mode
13. Read and interpret various graphs including pictographs, bar graphs, and line graphs
14. Analyze problems by identifying relationships, discriminating relevant from irrelevant information, sequencing and prioritizing information, and observing patterns
15. Choose the appropriate tools and units (metric and customary) to estimate and measure the length, liquid volume, and weight/mass of a given object
16. Carry out simple unit conversions within a system of measurement (e.g., centimeters and meters, hours and minutes)
17. Identify prime and composite numbers and write the numbers as the product of their prime factors using exponents to show multiples of a factor
18. Recognize relationships, functions and patterns in numbers
19. Evaluate mathematical expressions using the order of operations
20. Demonstrate an understanding and the use of the concept of a variable
21. Understand the necessity of data
22. Comprehend the basic principles of probability

COURSE OUTLINE

I. Lecture and classwork

- a. Every student is required to receive a lecture on all sections of the current math book they are using.
- b. Once the student understands and can verbally recall key points from the lecture, then they are allowed to work on the pretest.
- c. If additional reinforcement is required, supplements can and will be assigned. The student will then take the posttest.

II. Homework

- a. On days 2, 4 and 6, students must complete their assigned homework and obtain a parent signature. Failure to complete homework or obtain a signature will result in a deduction of points and homework room during lunch.

III. Tests

- a. Once the student has finished all requirements plus review sections from their current chapters and can show a thorough understanding of the lessons, he/she will then take a chapter test.
- b. If the student does not pass the chapter test, he/she will be allowed to retake another version of the test upon additional review and corrections to their first test. The test scores will be averaged, but the highest allotted average can be no higher than 80%.
- c. In order for a student to progress to the next chapter, the average score of the original test and the retake must be a passing mark.

IV. Exams

- a. At the end of every term, the students will be required to take an exam.
- b. Exams are given cumulatively on chapters that the students have passed over that term.

V. Class Progress

- a. The class-progress grade is designated to show how close students have come to a preset term goal. Every term, a new chapter goal is set, which allows the student to earn 100 points if he/she has passed the predetermined number of chapters.
- b. The 100-point goal will depreciate if the trimester target is not reached. For example, if the by the end of a term, a student is two chapters short of the target, then the student will receive 80 points.

GRADING

Student's grades will be determined by the following percentages:

Percentage Breakdown

- 40% Exams
- 30% Tests
- 15% Homework
- 15% Class progress



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American History for Fifth Grade

TEXTS:

United States History: Making a New Nation

Harcourt School Publisher

ISBN# 0-15-338503-0

Selected excerpts from various history and reference books

COURSE DESCRIPTION:

During this course, students will explore how the United States of America came to be and how its past continues to affect us today. Students will be studying the early history of the United States and its geography. Students will read about what it was like to live during this time period when formative events in our nation took place. They will learn about the key individuals who took part in those events and about the places where they occurred. This course was designed to meet or exceed the standards set by the California State Board of Education.

GOALS AND OBJECTIVES:

By the end of the course, each student should:

1. develop an understanding of the geography and early history of the United States, and the relationship of this history to our world today
2. develop an understanding and appreciation of how early American cultures formed and developed

3. learn and improve skills in time management, and proper work and study habits
4. improve skills in critical thinking and writing
5. learn how to formulate their own opinions based on facts and other primary and secondary sources

COURSE OUTLINE:

- I. The First Americans (Early People, American Indians)
- II. Cultures Meet (The Age of Exploration, Building the First Colonies)
- III. Settling the Colonies (The New England Colonies, The Middle Colonies, The Southern Colonies)
- IV. The American Revolution (The Colonies Unite, The Revolutionary War)
- V. Governing the Nation (The Constitution, The American Republic)
- VI. Western Expansion (The Changing Frontier, Moving West)

GRADING POLICY:

It is important to know that the grade received for the class will be determined by:

1. Homework assignments (completed/turned in on time) – 40%
2. Weekly vocabulary quizzes, assignment/agenda book checks – 10%
3. Section Exams – 25%
4. Special Projects – 25%



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SCIENCE for Fifth Grade

- I. **TEXT(S):** California Science
Macmillan McGraw-Hill Publishing
ISBN # 0-02-284379-5

COURSE DESCRIPTION

This course explores the world of science in a more detailed manner, expanding on knowledge gained in prior elementary grades. In addition to learning facts, students will begin to develop an ability to put facts together thereby learning how to derive many of the principles of science. Concepts will be discovered through hands-on scientific investigations, combined with reading of the textbook and a variety of Internet resources.

GOALS AND OBJECTIVES

1. Develop an understanding of how science relates to everyday life
2. Provide a variety of learning experiences that promote the students' understanding of themselves and their environment
3. Foster the development of creative thinking skills and abilities
4. Encourage students to ask meaningful questions and conduct careful investigations

COURSE OUTLINE

I. Life Science

- a. Structure of Living Things
- b. Plant Structures and Functions
- c. Human Body Systems

II. Earth Science

- a. Earth's Water
- b. Earth's Weather
- c. The Solar System

III. Physical Science

- a. Types of Matter
- b. Changes in Matter

IV. Investigation & Experimentation

- a. Students will participate in a variety of lab work in class, and are required to participate in our annual Science Fair.

GRADING POLICY:

50% Tests

20% Classwork

15% Quizzes

15% Homework