



# SEVENTH GRADE

## COURSE OUTLINE

504

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## The Plan of Seventh Grade

You may begin this course anytime in the year. There are 160 numbered lessons, divided into twenty-lesson sets. Within each set of twenty lessons are two review lessons. Tests appear every twentieth lesson (Test Lessons 20, 40, 60, etc.). The length of time devoted to reviews and tests should be adjusted to meet the individual student's requirements.

The following is a *suggested* schedule for a morning of about four hours. Some pupils spend more time and some less than others, depending on their speed, ability, health, and other circumstances.

	Day 1	Day 2	Day 3	Day 4	Day 5
9:00 – 9:50	Calvert Math (in a separate manual)				
9:50 – 10:20	Science	Grammar	Grammar	Grammar	Grammar
10:20 – 10:40	History – Geography	Art History	History – Geography	History – Geography	History – Geography
10:40 – 11:00	Recess				
11:00 – 11:45	Composition	Art	Science	Composition	Composition
11:45 – 12:30	Reading	Reading	Reading	Science	Reading
12:30 – 1:15	Spelling and Vocabulary				

## STANDARD COURSE MATERIALS

### Books

Seventh Grade Lesson Manual  
 Seventh Grade Tests  
 Answer Keys  
*Calvert Speller-Vocabulary, 7*  
*Classic Poems to Read Aloud*  
*Roll of Thunder, Hear My Cry*  
*The Miracle Worker*  
*Kidnapped*  
*Anne Frank: The Diary of A Young Girl*  
*Around the World in 80 Days*  
*Across the Centuries*  
*World Geography 7*  
*A Child's History of Art, Architecture*  
*Elements of Language*  
*How to Diagram a Sentence*  
*Elementary Physical Science*  
*Motion, Forces, & Energy*  
*Sound & Light*

# **COURSE SURVEY: SEVENTH GRADE**

## **GENERAL INFORMATION**

- instructions addressed to the student
- course includes appropriate review work

## **READING**

- guided reading of five children's classics
- improving comprehension and interpretation
- vocabulary building
- developing understanding of literary devices
- reading, interpreting, and enjoying a wide selection of poetry
- memorizing
- studying the elements of poetry
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## **COMPOSITION**

- extending skills in planning and outlining written work
- writing paragraphs: topics are assigned from daily lessons to reinforce learning
- preparing and writing a research report
- writing: descriptive, narrative, expository, creative, process, summaries, friendly and business letters, book reports, persuasive essays, and short stories

## **SPELLING AND VOCABULARY**

- daily spelling and vocabulary exercises
- weekly review of vocabulary lists
- word origins, prefixes, suffixes, and root words
- synonyms and antonyms

## **GRAMMAR**

- review and use of the eight parts of speech
- emphasis on sentence and paragraph structure
- emphasis on syntax and usage
- punctuation and capitalization
- diagramming simple, compound, and complex sentences

## **SCIENCE**

- elementary physics: solids, liquids, gases, heat, magnetism, atoms, electricity, engines, water, inertia, fire, friction, sound
- modern inventions
- motion, forces, and energy
- sound and light
- hands-on labs

## **GEOGRAPHY**

- Europe, the former Soviet Union, Canada, the United States, Mexico, Central America and the West Indies, South America
- Review of basic themes of geography and map skills
- global issues

## **HISTORY**

- using primary and secondary sources
- the fall of the Roman Empire and the rise of the Byzantine Empire
- the growth of Islam
- sub-Saharan Africa's empires and kingdoms
- Asian civilizations: China and Japan
- Feudal Europe
- The Renaissance and Reformation
- The Age of Exploration
- early American civilizations
- Europe (1600 – 1789): the Glorious Revolution, French Revolution, and Age of Enlightenment

## **ART HISTORY**

- history of architecture from earliest times to modern days

## **ART**

- learning and creating

# Seventh Grade Math Course

## BOOKS

Seventh Grade *Calvert Math*

Seventh Grade *Practice & Enrichment Workbook*

Seventh Grade Calvert Math Manual

## MATHEMATICS

- understanding numbers and interpreting data in tables, plots, and graphs
- applying addition, subtraction, multiplication, and division to whole numbers, decimals, and fractions
- algebra: variables and formulas, equalities and inequalities, integers and coordinate graphing
- patterns and number theory: sequences, prime factorization, great common factor and least common factor
- conversion of customary units of measurements; scale drawings
- geometry: lines, angles, polygons, and square roots
- statistics
- measurement: area, perimeter, surface area, and volume
- probability
- problem-solving strategies