Overview of Fourth Grade Curriculum:

Using Workbooks by Accelerate Education www.accelerate.education

A. Language Arts 4A Workbook

    A. Module 1
        - How Do You Read (Reading)

    B. Module 2
        - Reading Goals (Reading Plot)
        - Novel Plots
        - Conflict in Novels (Conflict)
        - Ideas for Your Short Story (Writing Problems)
        - Practice Using Relative Adverbs
        - Build Your Short Story (Writing Setting)

    C. Module 3
        - Develop Your Characters (Developing Characters)
        - Novel Characters (Novel Characters)
        - Writing Dialogue (Dialogue)
        - Practising Punctuating Dialogue
        - Relative Pronouns Practice (Relative Pronouns)
        - Choose Your Narrator (Writing Point of View)

    D. Module 4
        - Who's Your Narrator? (Introducing Narrators)
        - Practising Punctuation Quotes (Using Direct Quotes)
        - Finding Themes in Novels (Describing Themes)
        - Writing Themes

    E. Module 5
        - Finding Common Themes (Common Themes)
        - Make a Claim (Writing Opinions)
        - Paraphrase It (Paraphrasing Multimedia)
        - Tag It (Transitions)

    F. Module 6
        - Analyze This (Multimedia Stories)
        - Analyze Stereotypes (Stereotypes and Multimedia)
        - Peer Review Worksheet (Peer Review)
        - Researching Narcissus (Using References)

- Comparing Cat Myths (Creation Myths)
- Comparing Horse Myths
- Comparing Dragon Myths

B. Social Studies Fourth Grade / Semester A

A. Module 1
- Native American Tribes and Locations (1.1)
- Native American Settlements and Geographical Adaptations (1.3)
- Native American Beliefs and Religions (1.4)
- Famous Native Americans, Contributions and Artifacts (1.5)

B. Module 2
- European Settlers come to North America (2.1)
- European Explorers (2.2)
- The conflict between Native Americans and European Settlers (2.3)
- Colonial Life (2.5)

C. Module 3
- Time Review (3.1)
- Commerce and Transportation (3.2)
- Innovations (3.3)
- Social Organizations and Politics (3.4)
- Settlement Patterns (3.5)

D. Module 4
- Important Texians (4.2)
- Settlements in Texas (4.3)
- Good and Bad (4.4)
- Cattle and Railroads (4.5)

E. Module 5
- Mexican Rule (5.1)
- Early Life (5.2)
- Mexican American War (5.3)
- Historical Settlements (5.4)
- Spanish and Mexican Influence (5.5)

F. Module 6
- Spanish Missions (6.1)
- California Becomes a State (6.2)
- Gold Rush (6.3)
- Travelling to California (6.4)

- Communication (6.5)

G. Module 7
    - Before Florida was a State (7.1)
    - Spanish Rule (7.2)
    - Spanish American War (7.4)
    - Florida Becomes a U.S Territory (7.5)

H. Module 8
    - Who Settled my state? (8.1)
    - State Symbols (8.2)
    - Places in My State (8.3)
    - State Physical Features (8.4)
    - State Holidays (8.5)

I. Module 9
    - Notable Individuals (9.1)
    - Political and Military Leaders (9.2)
    - Cultural, Civic Rights, and Commercial Leaders (9.3)
    - Important Women in my State (9.4)
    - Famous People (9.5)

J. Module 10
    - Map Activity (10.1 - 10.5)

K. Module 11
    - Patriotic Landmarks (11.1)
    - State Flag (11.2)
    - State Song (11.3)
    - State Pledges (11.5)

L. Module 12
    - Abraham Lincoln (12.1)
    - Why the Civil War?
    - Major Battles (12.3)
    - Reconstruction (12.5)

M. Module 13
    - Three Branches of Government (13.2)
    - Elected Officials (13.3)
    - Patriotic Behaviors (13.4)
    - Patriotic Holidays (13.5)

N. Module 14
    - Three Branches of State Government (14.1)
    - Elected Officials (14.2)
    - State Constitution (14.3)
    - Divisions in States (14.4)
    - Federal/State/Local (14.5)

O. Module 15
P. Module 16
Q. Module 17
    - Collector Cards (17.1 - 17.5)

R. Module 18
    - Rights and Responsibilities (18.1)
    - Leadership and Service (18.2)
    - Voting (18.3)
    - Resolving Conflict (18.4)
    - What Can I Do? (18.5)

C. Science Workbook 4th Grade Semester A

A. Using Scientific Methods
    - Observation Activity
    - Marine Life
    - Deposition

B. Freshwater on Earth
    - Rapid Changes on Earth

C. The Atmosphere and Air
    - Types of Weather and Clouds
    - Observing Weather
    - Types of Climate and the Seasons
    - Human Effects on Climate

D. Galaxies and Stars
    - The Universe
    - The Outer Planets
    - Natural Resources

E. Measurements and Instruments
    - Measuring Temperature
    - Properties of Matter

- Properties of Measurement
- States of Matter

F. Building Blocks of Matter
    - Building Blocks
    - Periodic Table
    - Mixtures and Compounds
    - Solutions
    - Motion
    - Forces and Movement

D. Math 4A Workbook

A. Module 1
    - Writing Multiplication (1.1)
    - Multiplication Comparison (1.2)
    - Solving Basic Equations (1.3)
    - Parts Of a Word Problem (1.4)
    - Translation into Equations (1.5)
    - Interpretation (1.6)
    - Estimation Strategies (1.7)
    - Remainder Practice (1.8)

B. Module 2
    - Factoring (2.1)
    - Prime Numbers (2.2)
    - Common Multiples (2.3)
    - Composite Numbers (2.4)
    - T-Charts (2.7)
    - Rounding (2.8)
    - Estimating (2.9)
    - Place Value (2.10)

C. Module 3
    - Rounding to Hundreds and Thousands (3.2)
    - Comparison (3.4)
    - Adding Two Whole Numbers (3.5)
    - Adding Several Whole Numbers (3.6)
    - Subtraction Skills (3.8)

D. Module 4
    - Clustering (4.1)
    - Regrouping Multiplication (4.2)

- Multiplying with Arrays (4.3)
- Application of Multiplication (4.4)
- Area Model (4.7)
- Fraction Parts (4.9)
- Fraction Shape (4.10)

E. Module 5
- Dividing Number Lines (5.1)
- Equivalent Fractions (5.3)
- Common Denominators (5.4)
- Least Common Multiple (5.6)

F. Module 6
- Adding Unlike Fractions
- Dividing Fractions Using Modeling (6.10)
- Dividing Whole Numbers into Fractions (6.11)

Extra Curricular:

- **Coding**
- **P.E Chart**
- **Prodigy Math**

Fourth Grade Language Arts and Reading Curriculum Overview

Language Arts and Reading curriculum, we will cover:

1. **Vocabulary Skills** – Synonyms, antonyms, homonyms and idioms are taught with new vocabulary using reading activities that build fluency. Lessons build a working understanding of suffixes, prefixes, and reading skills. Weeman will be asked to identify, interpret and analyze passages.
2. **Process Skills: Think Alouds** – Teaches the reading comprehension process of summarizing, predicting, visualizing, questioning, and clarifying with extensive scaffolding and support, through think aloud prompts.
3. **Comprehension** – Teaches comprehension strategies to literary and expository texts. Fourth graders learn to identify and write about the characters, setting, plot, main idea and supporting details of a story. He will learn about sequential order, fact and opinion, cause and effect, author's purpose, inferences, and comparing and contrasting story elements.

4. **State Simulation Assessments** – Mock assessment that uses simulated questions to teach how to apply reading comprehension skills to high stakes tests. He will be asked to display working knowledge based on appropriate reading material.
5. **Pioneers (ILA)** – Independent Learning Activity (ILA) that builds vocabulary and comprehension skills. He will read an authentic narrative about life on the frontier. He will then be asked to describe the setting, analyze the story and then write his own interpretation.
6. **Mystery (ILA)** – A series of activities that uses fictional literature from the mystery genre to develop reading, writing and thinking skills. While solving a mystery, students will learn about inferences, quotations, paragraph forms and new vocabulary. He will also be asked to analyze clues and write a mystery report on their findings.
7. **Natural Disasters (ILA)** – Teaches about natural disasters. A series of activities that develop and practice reading, writing, and thinking skills. He will first read a nonfiction story. Then, follow the guidelines on punctuation and sentence combination to compare and contrast elements of the story.
8. **African American Poetry (ILA)** – Teaches vocabulary, reading comprehension, writing, and thinking skills using authentic African American poetry. Activities combine direct instruction with reading & respond to teach about root words, suffixes, prefixes, metaphors and inferences. He will be asked to write about his opinions.
9. **Heroes (ILA)** – develop vocabulary, reading, writing, and thinking skills using literature that revolves around heroes. He will be asked to describe a special event, draw conclusions about story characters, and write a news article about a hero.
10. **Inventory and Inventions (ILA)** – Teaches vocabulary, reading comprehension, writing, and thinking skills using a theme about inventions. Activities combine direct instruction with reading & respond to teach about cause and effect, contractions, quoting and paraphrasing. He will be asked to write about a character's actions.
11. **Famous Americans (ILA)** – Teaches vocabulary, reading comprehension, writing, and thinking skills using authentic nonfiction by Franklin D. Roosevelt. Activities combine direct instruction with reading & respond to teach about summarizing and sentence fragments. Vocabulary is emphasized in word analysis lessons, and students are asked to write an expository essay about FDR at the end of the chapter.

Language Arts Goals are to Improve and Strengthen Skills:

1. **Comprehend & Respond** – He will learn to use a variety of strategies to comprehend and respond to a variety of different texts. Lessons include using facts, fiction, or opinion, developing dictionary competency, and extensive grade-level-appropriate vocabulary.
2. **Grammar** – He will learn to apply what they have learned about grammar and mechanics as they write original compositions. Lessons focus on parts of speech, similes and metaphors, punctuation, double negatives, and spelling rules.
3. **Literature** – He will learn to respond and comprehend a variety of literature including fiction, nonfiction, biography, poetry folklore, and public documents. Lessons include a focus on the elements, style, and characteristics of the various literary genres.
4. **Written Communication** – He will learn to communicate ideas and information through creative writing for a variety of purposes such as: informing, persuading, influencing, responding, and creating. Lessons include the Writing Process, personal experience writing, and research.
5. **Convention of Language** – He will will learn the various conventions of language to aid in communicating ideas orally. Lessons will focus on developing the student's active listening and critical thinking skills in order to enhance understanding. He will learn about oral expressions, diverse vocabulary effective speaking, and listening skills.

Fourth Grade Social Studies Curriculum Overview

In the fourth-grade social studies curriculum, we will cover:

1. **Ancient Civilization** – He will review the ancient civilizations of Mesopotamia, Egypt, and the Indus Valley. Students will explore their types of writing, mysteries, and wonders
2. **Aztecs, Incas, and Mayas** – He will learn about the ancient civilizations of the Aztecs, Incas, and Mayas. They will explore their writing, art, architecture, and government.
3. **U. S. Revolutionary Period** – He will learn the history of the United States during the Revolutionary and Early National Periods. Lessons begin with the discovery of America, colonization, wars, important people, and end with a timeline.
4. **Geography** – He will learn how to explore the world through the use of maps, globes, and atlases. Lessons are taught on how to recognize the different physical features of maps. He will also learn the various land features such as

plateau, prairie, peninsula, isthmus, mesa, mountain range, delta, straight, and channel.

5. **United States Civics** – He will learn about the United States political system in historic context and from the standpoint of present-day practice. Students learn from using historical documents such as The Articles of Confederation, The Constitution, and The Bill of Rights.
6. **Economics** – He will demonstrate an understanding of economics through the study of production, distribution, and consumption. They will learn to differentiate between personal wants and needs, identify sources of revenue for local, state, and federal governments and review the role of economics in today's society.
7. **Current Events** – He will examine and analyze current issues and discuss how they might impact present and future life. They will learn how to use public documents to gather information regarding current issues and events, examine possible impacts of a current event, predict possible impacts of a current event on future life and relate a current event to personal life.
8. **Prehistoric Art** – He will learn about and describe the basic styles of prehistoric cave art.

Fourth Grade Science Curriculum Overview

The fourth-grade science curriculum contains a number of lessons, worksheets and quizzes.

In the fourth-grade science curriculum, students will cover:

1. **Scientific Investigation** – Lessons will focus on reasoning strategies as Weeman will be asked to conduct a simple experiment by asking a scientific question, stating a hypothesis, listing the procedure, recording the results, and communicating the conclusion. He will learn how to display data using graphs, tables, drawings, and other media.
2. **Changes in Matter and Energy** – He will learn about the basic properties of matter and their physical and chemical changes. They will learn how to classify matter, measure heat, describe physical and chemical changes, distinguish between types of change and apply a force to an object.
3. **Sound** – He will learn the basic principles of sound, identify the basic physical phenomena of sound and learn how to identify musical instruments that create it.
4. **Solar System and the Universe** – He will learn about the structure of the solar system and the universe. He will be taught about the composition and formation of rocks and soil. He will learn about the arrangement and movements of

planets, meteors, comets and the sun. He will be asked to classify each according to size, characteristics, and composition.

5. **Living Things** – He will learn about the characteristics, structures, and functions of living things and of how living things interact with one another and their environment. He will learn the difference between vertebrates, invertebrates, ecosystems and the basic requirements of life. He will learn about environmental impact and the protection of natural resources.

Fourth Grade Math Curriculum Overview

He will have a math curriculum that contains numerous math lessons, along with printable worksheets, quizzes and chapter tests. It constitutes a solid math program correlated to state standard.

The math lessons are organized into several chapters that introduce and cover:

- Animated characters present the fourth-grade math lessons one step at a time, at the his pace.
- Lessons build on the skills they learned in third grade, fourth graders are guided through fractions, decimals, geometry, algebra, measurement, and probability.
- All lessons use interactive prompts and conceptual explanations.
- Prodigy Math Game, included in the curriculum, provides practice in foundation skill areas that are necessary for math success. https://www.prodigygame.com/

Math lessons are organized into 17 chapters that introduce and cover:

1. **Number Theory and Systems** – Teaches how to write numbers up to nine digits, number comparison, the standard and expanded form of numbers, and rounding numbers.
2. **Addition and Subtraction** – Teaches the computation of numbers up to four digits. Lessons also include estimating sums and differences while rounding numbers.
3. **Multiplication and Division** – Starts with math tutorials. It distinguishes the key components of multiplying several digits and introduces partial products. Lessons also include several practice scenarios for applying what students have learned with multiple digit multiplication. Division with 2 digit divisors is taught in conjunction with averaging numbers.

4. **Fractions and Decimals** – Teaches relationships between numbers and the various ways of representing fractions and decimals. Lessons include adding and subtracting fractions and decimals.
5. **Money** – Teaches students how money matters, how to count and make a change, using decimals with money, and multiplying and dividing money.
6. **Patterns** – Introduces students to pictorial and numeric patterns. Students explore function at the end of the chapter.
7. **Algebra** – Teaches about addition and subtraction with variables. Lessons cover the associative and commutative properties.
8. **Properties of Shapes** – Introduces basic geometry and spatial relationships. Students learn how to identify line segments, rays, lines, angles, polygons, and circles.
9. **Coordinate Geometry** – Teaches ordered pairs, navigational directions, and distance with the coordinate plane.
10. **Transformations and Symmetry** – Teaches congruence, similarity, transformations, symmetry, and the classification of each.
11. **Time** – Introduces different ways that time is classified, such as calendar time and clock time. Lessons also teach how to tell time to the 1 and 5-minute intervals, finding the elapsed time, and interpreting time schedules.
12. **Customary System** – Teaches the students how to use the customary systems of measurement to understand the attributes of length, weight, capacity, and temperature and how to apply appropriate measuring techniques. Lessons also cover conversion of measurements.
13. **Metric System** – Teaches the units of metric measurement and how to convert them.
14. **Perimeter, Area & Volume** – Teaches how to find perimeter, area, and volume through customary and non-customary methods of measurement. Lessons also introduce volume.
15. **Display and Interpret Data** – Teaches students to recognize data in the form of frequency tables, bar graphs, line graphs, and stem and leaf plots. Students are also taught the different types of statistical measurements such as mean, median, mode, and range.
16. **Probability** – Teaches reinforces the ideas of certainty and likelihood, combinations, and probability. Students are taught how to calculate probability as a fraction.
17. **Problem Solving** – Teaches the basics of problem-solving using diagrams, charts, lists, and addition and subtraction of equations to solve word problems.

Fourth Grade Educational Resources

Because I am focusing on educating a fourth-grader, have also included:

- Coding https://www.code.game/home
- **Prodigy Math Game**, included in the curriculum, provides practice in foundation skill areas that are necessary for math success. https://www.prodigygame.com/
- **Crash Course Learning** Tons of awesome courses in one awesome channel! Nicole Sweeney teaches you sociology, Carrie Anne Philbin teaches you computer science, Craig Benzine teaches film history, and Mike Rugnetta is teaching mythology! Check out the playlists for past courses in physics, philosophy, games, economics, U.S. government and politics, astronomy, anatomy & physiology, world history, biology, literature, ecology, chemistry, psychology, and U.S. history. https://www.youtube.com/user/crashcourse