



Dr. Jan Harris
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Fifth Grade

Student Learning Objectives

Reading/Language Arts

Math

Science

Social Studies

FIFTH GRADE

The Cullman City School System continually strives to promote a high quality education for all of our students. The school system encourages each teacher to incorporate a wide variety of teaching strategies in an effort to ensure the academic success of each student. The Cullman City School System values high academic standards and promotes excellence through a challenging curriculum. Both East and West Elementary Schools have been certified as Alabama Reading Initiative sites. Elementary teachers receive on-going training in a continuous effort to improve reading instruction for all students. This booklet identifies the minimum student learning objectives by subject and grade level as identified by the Alabama Course of Study and addendums. Each year students in grades K-3 are assessed using the Dynamic Indicator of Basic Early Literacy Skills (DIBELS). Elementary students in grades 3-6 are assessed each spring through the administration of the Stanford Achievement Test, 10th Edition (SAT 10) and the Alabama Reading and Math Test (ARMT). All fifth grade students in the state of Alabama take the Fifth Grade Direct Assessment of Writing (ADAW). In addition, classroom teachers continually monitor student progress to determine gains in student achievement in all academic areas. Each teacher in the Cullman City School System designs instruction based on the standards outlined in the Alabama Course of Study, the ARMT, and the SAT 10. The following information is provided in an effort to assist you in monitoring the educational progress of your child. Feel free to contact your child's teacher if you have further questions concerning these standards. Also, you may view additional curriculum information on the web at www.cullmancats.net or www.alsde.edu.

Minimum Required Content Reading/Language Arts

(*Denotes additional material that is assessed on the SAT 10.)

Students will:

1. Use a wide range of strategies to interpret, evaluate, appreciate, and construct meaning from print materials.
2. Demonstrate comprehension of recreational, textual, informational, and functional literatures.
3. Employ study strategies, such as utilizing text features, with increasing facility to gain meaning.
4. Exhibit the habit of reading for a substantial amount of time daily, including assigned and self-selected materials at their independent and instructional levels.
5. Demonstrate literal/initial understanding of print material: utilizing supporting details, sequencing skills, causes and results.
6. Interpret passages in print material.
7. Demonstrate reading improvement gained through substantial amounts of daily reading.
8. Recognize the use or effect of literary elements and devices.
9. Read grade-level texts aloud and silently with fluency and comprehension.
10. Recognize the features of a variety of genres.
11. Read and view literature representative of various cultures, eras, genres, and ideas to develop an appreciation of their heritage and that of others.
12. Monitor own reading: self-questioning, re-reading, adjusting speed, and apply prior knowledge.
13. Read a variety of materials and genres encountered in daily lives.
14. Apply strategies of a skillful listener.
15. Select appropriate print and non-print media independently for a variety of purposes.
16. Recognize persuasive techniques found in a variety of sources.
17. Compare and contrast cultural similarities and differences of the world through exposure to multicultural literature.
18. Describe how events, places, and characters encountered in written, spoken, and visual works reflect human experiences and influence the thinking of the reader, viewer, or listener.
19. Compare and contrast the experiences and feelings of literary characters to students' lives.
20. Utilize text characteristics to further deepen comprehension.
21. Demonstrate vocabulary growth developed through reading and listening to literature.

22. Demonstrate understanding of reading vocabulary along with the use of synonyms and multiple meaning words.
23. Apply critical analysis strategies to determine text characteristics.
24. Write in a variety of modes to express meaning.
25. Exhibit the habit of writing on a daily basis in academic, social, and/or personal situations.
26. Organize content of written compositions with attention to basic characteristics.
27. Use the writing process when composing different forms of written expression.
28. Know and apply principles of grammar and usage in writing, speaking, and presenting and apply mechanics in writing.
29. Demonstrate increased facility with oral language for a wide range of purposes and audiences.
30. Demonstrate an ability to utilize appropriate capitalization, usage, and punctuation skills.
31. Spell correctly in final written products.
32. Write legibly in cursive.
33. Express meaning through writing more complex sentences, more detailed paragraphs, and multi-paragraph compositions in an organized manner.
34. Apply figurative language found in literature to enhance written and oral expression.
35. Correct errors in sentence structure in oral and written presentations.
36. Organize and present information in visual, oral, and/or print form; utilize computers when appropriate.
37. Exhibit skill in dramatizations and other oral presentations.

Math

Students will:

Number and Operations

1. Compare, order, round, and expand whole numbers through millions and decimals to thousandths.
2. Solve problems involving basic operations on whole numbers, including addition and subtraction of seven-digit numbers, multiplication with two-digit multipliers, and division with two-digit divisors.
3. Solve word problems that involve decimals, fractions, or money.
4. Add and subtract fractions with common and uncommon denominators.
5. Identify numbers less than zero by extending the number line.

Mathematics Procedures

6. Use estimation and rounding skills.*
7. Demonstrate understanding of fraction and decimal concepts.*
8. Demonstrate proficiency of number facts.*
9. Demonstrate proficiency of whole number and decimal computation.*
10. Add, subtract, multiply, and divide whole numbers and decimals.*
11. Add, subtract, and multiply fractions.*
12. Complete geometric and numeric patterns.*

Algebra

13. Demonstrate the commutative, associative, and identity properties of addition and multiplication.
14. Write a number sentence for a problem expressed in words.

Geometry

15. Identify regular polygons and congruent polygons.
16. Identify components of the Cartesian plane, including the x-axis, y-axis, origin, and quadrants.
17. Identify the center, radius, and diameter of a circle.

Measurement

18. Estimate perimeter and area of irregular shapes using unit squares and grid paper
19. Calculate the perimeter of rectangles from measured dimensions.
20. Convert a larger unit of measurement to a smaller unit of measurement within the same system (customary or metric).

Data/Analysis and Probability

21. Analyze data collected from a survey or experiment.
22. Use common fractions to represent the probability of events that are neither certain nor impossible.

Science

Students will:

Physical Science

1. Identify evidence of chemical changes through color, gas formation, solid formation, and temperature change.
2. Define mass, volume, and density.
3. Use everyday indicators to identify common acids and bases.
4. Describe forms of energy, including chemical, heat, light, and mechanical.
5. Contrast ways in which light rays are bent by concave and convex lenses.
6. Compare effects of gravitational force on Earth, on the moon, and within space.

Life Science

7. Identify common parts of plant and animal cells, including the nucleus, cytoplasm, and cell membrane.
8. Identify major body systems and their functions, including the circulatory system, respiratory system, excretory system, and reproductive system.
9. Describe the relationship of populations within a habitat to various communities and ecosystems.

Earth and Space Science

10. Identify spheres of Earth, including the geosphere, atmosphere, and hydrosphere.
11. Compare distances from the sun to planets in our solar system.
12. Apply science process skills*
13. Develop an understanding of the nature of science.*
14. Use models to apply scientific processes.*

Social Studies

United States Studies: Beginnings to 1877

Students will:

1. Locate physical features that impacted the exploration and settlement of the Americas.
2. Identify causes and effects of prehistoric migration and settlement in North America.
3. Compare major Native American cultures in respect to geographic region, natural resources, government, economy, and religion.
4. Explain effects of European exploration during the Age of Discovery upon European society and Native Americans, including the economic and cultural impact.
5. Describe the early colonization of North America and reasons for settlement in the Northern, Middle, and Southern colonies.
6. Identify the impact of trade routes on emerging colonies in the Americas.
7. Identify events leading to the American Revolution, including the French and Indian War, the Stamp Act, the Intolerable Acts, the Boston Massacre, and the Boston Tea Party.
8. Identify major events of the American Revolution, including the Battles of Lexington and Concord, the Battle of Bunker Hill, the Battle of Saratoga, and the Battle of Yorktown.
9. List steps involved in the development of the Constitution of the United States, including inadequacies of the Articles of Confederation and struggles over the ratification of the Constitution.
10. Describe political, social, and economic events between 1803 and 1860 that led to the expansion of the territory of the United States.
11. Explain causes of and major events occurring during the War of 1812.
12. Identify causes of the Civil War from the northern and southern viewpoints.
13. Identify social, political, and economic changes that occurred during Reconstruction.
14. Demonstrate understanding of historical, geographical, governmental, economic and cultural concepts.*