

# SIXTH GRADE



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## Student Learning Objectives 2005 – 2006

Reading/Language Arts  
Math  
Science  
Social Studies

## SIXTH 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, 10<sup>th</sup> 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](http://www.cullmancats.net) or [www.alsde.edu](http://www.alsde.edu).

### **Minimum Required Content** **Reading/Language Arts**

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

Students will:

1. Interpret and construct meaning by applying appropriate strategies to materials across the curriculum.
2. Demonstrate comprehension of recreational, textual, informational, and functional literatures.
3. Utilize supporting details, sequencing skills, cause and results to demonstrate initial understanding of a passage.
4. Read with ease textual, functional, and recreational materials encountered in daily life.
5. Exhibit the habit of reading for a substantial amount of time daily, including assigned and self-selected materials at their independent and instructional levels.
6. Demonstrate reading improvement gained through substantial amounts of daily reading.
7. Recognize various forms of literature according to characteristics.
8. Determine the author's purpose.
9. Utilize text characteristics to further deepen comprehension.
10. Recognize the characteristics and cultural influences of works of literature representing various eras.
11. Be aware of writing and speaking styles that incorporate dialects, idioms, and intonation patterns.
12. Become aware of the etymology of language.
13. Recognize linguistic and cultural diversity.
14. Recognize the power of language as it evokes emotion; expands thinking; and influences problem solving, decision-making, and action.
15. Develop general listening behaviors for different purposes and situations.
16. Select and indicate preference for sources of information.
17. Use study processes to manage information.
18. Respond with understanding and empathy to information read, viewed, and heard.
19. Develop an extended vocabulary through reading, listening, viewing, writing, speaking, and presenting.
20. Demonstrate understanding of reading vocabulary along with the use of synonyms and multiple meaning words.
21. Use available computer technology to enhance reading and writing skills.
22. Read aloud effectively from literature and personal compositions.
23. Use the writing process when composing various forms of written expression.
24. Demonstrate an awareness of the research process.
25. Know and apply principles of grammar and usage in writing, speaking, and presenting and apply mechanics in writing.

26. Compose using recognized literature as models.
27. Use self-monitoring and feedback from peers and teachers to evaluate reading, writing, listening, viewing, studying, and research skills.
28. Organize content of written composition with attention to basic characteristics.
29. Compose descriptive, narrative, expository, and persuasive essays.
30. Spell correctly in final written works.
31. Write legible final drafts.
32. Compose and present using various techniques for different audiences.
33. Express personal feelings, opinions, and information in formal, informal, and interpersonal situations.
34. Demonstrate an ability to utilize appropriate capitalization, usage, and punctuation skills.
35. Form sentences using appropriate sentence structure.

### Math

Students will:

#### **Number and Operations**

1. Demonstrate computational fluency with addition, subtraction, multiplication, and division of decimals and fractions.
2. Solve problems involving decimals, percents, fractions, and proportions.

#### **Mathematics Procedures**

3. Use estimation and rounding skills.\*
4. Demonstrate understanding of fraction and decimal concepts.\*
5. Demonstrate proficiency of whole number and decimal computation.\*
6. Add, subtract, multiply, and divide whole numbers and decimals.\*
7. Add, subtract, multiply, and divide fractions.\*

#### **Algebra**

8. Solve problems using numeric and geometric patterns.

#### **Geometry**

9. Identify two-dimensional and three-dimensional figures based on attributes, properties, and component parts.
10. Plot coordinates on grids, graphs, and maps.

#### **Measurement**

11. Classify angles as acute, obtuse, right, or straight.
12. Solve problems involving perimeter and area of parallelograms and rectangles.
13. Determine the distance between two points on a scale drawing or a map using proportional reasoning.
14. Convert units of length, weight, or capacity within the same system (customary or metric).

#### **Data Analysis and Probability**

15. Interpret information from bar graphs, line graphs, and circle graphs.
16. Find the probability of a simple event.

### Earth and Space Science

Students will:

1. Identify global patterns of atmospheric movement that influence local weather.
2. Describe factors that cause changes to Earth's surface over time.
3. Describe water and carbon biogeochemical cycles and their effects on Earth.
4. Explain the plate tectonic theory.
5. Describe layers of the oceanic hydrosphere, including the pelagic zone, benthic zone, abyssal zone, and intertidal zone.
6. Describe regions of the oceanic lithosphere, including the continental shelf, continental slope, and abyssal plain.
7. Describe Earth's biomes.
8. Describe how Earth's rotation, Earth's axial tilt, and distance from the equator cause variations in the heating and cooling of various locations on Earth.
9. Identify the moon's phases.

10. Describe components of the universe and their relationships to each other, including stars, planets and their moons, solar systems, and galaxies.
11. Describe units used to measure distance in space, including astronomical units and light years.
12. Apply science process skills\*
13. Demonstrate understanding of physical and life science concepts.\*

### **Social Studies**

#### **United States Studies: 1877 to the Present**

Students will:

1. Describe the Westward Expansion and its technological, economic, and social influence on the people of the United States prior to World War.
2. Describe the impact of industrialization, free markets, urbanization, communication, and cultural changes in the United States prior to World War I.
3. Identify causes and consequences of the Spanish-American War.
4. Describe changing social conditions during the Progressive Period.
5. Identify causes of World War I and reasons for entry into the war by the United States.
6. Identify cultural and economic developments in the society of the United States from 1877 through the 1930s.
7. Identify causes of the Great Depression.
8. List key figures, events, and reasons for the involvement of the United States in World War II.
9. Identify changes in the American home front during World War II.
10. Identify major social and cultural changes in the United States from 1945 to 1960.
11. Identify critical events occurring in the United States and throughout the world from the Truman through the Johnson Administrations, including the Cold War, Berlin Airlift, Korean Conflict, space race, construction of Berlin Wall, Bay of Pigs invasion, Cuban Missile Crisis, and Vietnam War
12. Identify components of John F. Kennedy's New Frontier and Lyndon B. Johnson's Great Society.
13. Describe the role of major civil rights leaders and significant events occurring during the modern Civil Rights Movement.
14. Identify cultural and economic changes throughout the United States from 1960 to the present.
15. Explain major political events from the Nixon Administration to the present, including the Vietnam War; Watergate; the collapse of the Soviet Union; the Gulf War; the September 11, 2001, terrorist attacks; and the War on Terrorism.
16. Demonstrate understanding of historical, geographical, governmental, economic and cultural concepts.\*
17. Demonstrate the ability to apply knowledge.\*
18. Organize, summarize, and interpret information.\*
19. Determine the causes and effects of events.\*