

# SECOND GRADE



Dr. Jan Harris  
Superintendent of Education

## Student Learning Objectives 2005 – 2006

Reading/Language Arts  
Math  
Science  
Social Studies

## SECOND 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**

Students will:

1. Demonstrate the ability to use decoding skills to blend sounds and form words
2. Manipulate the sounds of the English language and identify syllables in two and three-syllable words.
3. Use patterns in language to create meaning.
4. Read material across the curriculum utilizing skills such as: drawing conclusions, classifying, re-telling and sequencing.
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. Read and comprehend a variety of material including literary, informational and functional text.
7. Understand the concept of story.
8. Demonstrate reading improvement gained through substantial amounts of daily reading.
9. Demonstrate an interest in and enjoyment of literature in a variety of forms and contexts.
10. Read orally with accuracy, fluency, and comprehension.
11. Recognize 100% of Dolch sight words for second grade.
12. Read 90 words of connected text per minute with 100% accuracy by the end of second grade.
13. Associate knowledge learned in the language arts program to life situations.
14. Identify values, beliefs, and interests reflected in literature and other materials from various cultures.
15. Demonstrate appropriate listening and communicating behaviors.
16. Exhibit expanded vocabulary and sentence awareness.
17. Apply study strategies such as: predicting, re-reading, summarizing, and skimming and scanning.
18. Use appropriate sources for obtaining information.
19. Use the writing process when creating different forms of written expression.
20. Use conventional mechanics and spelling when editing written expression.
21. Apply principles of grammar in written expression.
22. Use descriptive and narrative writing to clarify thinking in all disciplines.
23. Write using legible manuscript.
24. Use available technology for expression.

25. Exhibit an increased facility in self-expression in a variety of forms.

### Math

Students will:

#### **Number and Operations**

1. Demonstrate concepts of number sense by using multiple representations of whole numbers up to 1000, counting forward and backward by threes from a given number, identifying a number that is 100 more or 100 less than a given number, and differentiating between odd and even numbers.
2. Apply the operations of addition and subtraction to solve problems involving two digit numerals, using multiple strategies with and without regrouping.
3. Label equal parts of a whole using  $\frac{1}{2}$ ,  $\frac{1}{3}$ , and  $\frac{1}{4}$ .
4. Determine the monetary value of sets of coins and bills up to \$2.00.
5. Create growing patterns.
6. Solve problems using the associative property of addition.
7. Describe change over time in observable (qualitative) and measurable (quantitative) terms.

#### **Geometry**

8. Describe attributes of two-dimensional (plane) and three-dimensional (solid) figures using the terms *side*, *surface*, *edge*, *vertex*, and *angle*.
9. Describe the route from one location to another by applying concepts of direction and distance.

#### **Measurement**

10. Measure length in customary units, including inches, feet, and yards.
11. Estimate weight and capacity by making comparisons with familiar objects.
12. Tell time to the minute using analog and digital clocks.

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

13. Create displays, including appropriate labels, for a given set of data using pictographs, tally charts, bar graphs, or single- or double-loop Venn diagrams.
14. Determine if one event related to everyday life is more likely or less likely to occur than another event.

### Science

Students will:

#### **Physical Science**

1. Identify states of matter as solids, liquids, and gases.
2. Identify vibration as the source of sound.
3. Recognize that light travels in a straight line until it strikes an object.
4. Describe observable effects of forces, including buoyancy, gravity, and magnetism.

#### **Life Science**

5. Identify the relationship of structure to function in plants, including roots, stems, leaves, and flowers.
6. Identify characteristics of animals, including behavior, size, and body covering.

#### **Earth and Space Science**

7. Identify geological features as mountains, valleys, plains, deserts, lakes, rivers, and oceans.
8. Identify evidence of erosion and weathering of rocks.
9. Describe evaporation, condensation, and precipitation in the water cycle.
10. Identify the impact of weather on agriculture, recreation, the economy, and society.
11. Identify basic components of our solar system, including the sun, planets, and Earth's moon.

**Social Studies**  
**Exploring Our Nation and World: People and Places**

Students will:

1. Compare features of modern-day living to those of the past.
2. Identify past and present contributions of a variety of individuals who have overcome difficulties or obstacles to achieve goals.
3. Discuss historical and current events within the state and the nation that are recorded in a variety of resources.
4. Discuss celebrations in the United States and around the world.
5. Explain the relationship between the production and distribution processes.
6. Identify human-made and natural resources in the world.
7. Describe ways people throughout the world are affected by their geographic environments.
8. Identify continents, oceans, and the equator using technology, maps, and globes.
9. Describe rights and responsibilities of citizens of the United States.
10. Discuss ways in which people in authority gain the right to direct or control others.
11. Explain how the diversity of people and customs in the United States and the world affect viewpoints and ideas.