



Dr. Jan Harris
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FIRST GRADE

Reading/Language Arts

Math

Science

Social Studies

Student Learning Objectives

FIRST 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. The Primary School, 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 grade are assessed using the Dynamic Indicator of Basic Early Literacy Skills (DIBELS). 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**

Students will:

- Demonstrate phonemic awareness by isolation, deleting, and adding phonemes, by using onsets and rimes, and by identifying initial, medial and final sounds in one-syllable words.
- Utilize predictable letter-sound relationships to decode printed words, including words with consonant blends that require blending 3-4 phonemes into a whole word.
- Demonstrate vocabulary skills by sorting words into categories and by deriving word meaning from context within sentences and paragraphs.
- Read with comprehension a variety of first-grade narrative and informational texts, recalling information, including the beginning, middle, and end while retelling a story.
- Read with fluency simple passages containing simple sentences.
- Read 40 – 60 per minute.
- Recognize the Dolch sight words for first grade and the first grade high frequency words from the basal reader.
- Exhibit the habit of reading for a substantial amount of time daily, including assigned and self-selected materials at their independent and instructional levels.
- Recognize values, beliefs, and interests reflected in literature and other materials from various cultures.
- Demonstrate an interest in and enjoyment of literature in a variety of forms and contexts.
- Connect knowledge learned in the language arts program to life situations such as comparing characters or events in a story to people or events in real life, and making lists.
- Apply study strategies such as alphabetizing, identifying parts of books, classifying, summarizing, using test-taking strategies, and interpreting charts and graphs.
- Use appropriate sources for obtaining information.
- Demonstrate appropriate listening and speaking behaviors.
- Exhibit expanded sentence awareness and vocabulary.
- Participate in the writing process.
- Begin to use conventional mechanics and spelling when editing written expression.
- Apply proper use of grammar for written and spoken communication.
- Use writing as a tool for expressing thoughts in all disciplines.
- Write using manuscript..
- Use available technology for expression. Exhibit increased participation in self-expression in a variety of forms.

Math

Students will:

Number and Operations

- Demonstrate concepts, of number sense by counting forward and backward by ones, twos, fives, and tens up to 100; counting forward and backward from an initial number other than 1; and using multiple representations for a given number.
- Demonstrate conceptual understanding of addition and subtraction by telling number stories; joining, separating, and comparing sets of objects; and applying signs (+ and -) to actions of joining and separating sets.
- Demonstrate computational fluency of basic addition and subtraction facts by identifying sums to 10 and differences with minuends of 10 or less.
- Identify parts of a whole with two, three, or four equal parts.
- Identify coins by name.
- Determine the monetary value of individual coins and sets of like coins up to \$1.00.

Algebra

- Create repeating patterns
- Solve problems using the identity and commutative properties of addition.
- Demonstrate relationships between operations

Geometry

- Differentiate among plane shapes, including circles, squares, rectangles, and triangles.
- Identify solid shapes in the environment, including cubes, rectangular prisms, cones, spheres, and cylinders.

Measurement

- Compare objects according to length, weight, and capacity.
- Identify the hour and half hour using the analog and digital clocks.
- Locate days, dates, and months on a calendar.
- Use vocabulary associated with a calendar such as using the words yesterday, today, tomorrow, day before, and day after.

Data Analysis and Probability

- Organize objects or information into predetermined and labeled data displays, including pictographs, tally charts, bar graphs, or double-loop Venn diagrams.

Science

Students will:

Physical Science

- Observe that objects in the world vary greatly in their properties.
- Describe findings from investigation solids and liquids.
- Investigate the physical changes of matter such as popping popcorn.
- Investigate sources of energy such as moving water and food.
- Associate sound with vibration objects such as human voice, musical instruments, and rubber bands.
- Explore how movement of objects influences other objects such as magnetic attraction, collision of marbles.
- Describe the motions of common objects in terms of speed and direction such as rolling or thrown balls wheeled vehicles, sliding objects.
- Demonstrate and describe motion as a change of position such as classmates walking across the room or distance measured between objects after they are moved.

Earth and Space Science

- Describe what can be observed in the sky by the unaided eye in the day and at night such as the sun, moon, and stars.
- Identify the basic components of the solar system such as the sun, planets, and moon.

Life Science

- Describe how plants and animals survive in the environment.
- Explore a variety of habitats.
- Classify plants and animals according to their characteristics.
- Describe evidences of prehistoric animals and their habitats.
- Describe physical similarities and differences between traits of parents and their offspring.
- Understand that living things share characteristics.
- Explore the interactions of organisms and their environment such as earthworms in soil, butterflies with plants, frogs in ponds.
- Describe the life cycles and basic needs (food, water, air, shelter, and space/area) of familiar organisms.
- Explain how organisms are dependent upon each other for their survival such as offspring depending upon parents, flowering plants depending on bees for pollination.
- Recognize technology in the school, home, and community.
- Explain how technology is applied to daily life.
- Serve the school through a science-related project.

Social Studies
Exploring our Community and State

Students will:

- Identify past and present modes of air, land, and water transportation.
- Describe how primary sources serve as historical records of families and communities such as oral histories, vacation pictures in scrapbooks, and videos.
- Identify historical events and celebrations in communities and cities throughout Alabama such as Mardi Gras, Helen Keller Day, National Shrimp Festival, and Boll Weevil Festival.
- Describe the role of money in everyday life such as using money to purchase goods such as groceries, and using money to pay for services such as babysitting.
- Label human made and natural resources in Alabama.
- Identify landmasses, bodies of water, and other physical features of Earth on maps and globes.
- Identify ways to take personal action to protect the environment.
- Identify how occupational and recreational opportunities in Alabama and the physical environment (hurricanes in the coastal communities and hiking in the mountains affects local communities).
- Identify traditions of a variety of cultures in Alabama and local communities such as religious customs and marriage customs.
- Discuss civic responsibilities of participating members of a community and state (paying taxes and voting).
- Identify roles and responsibilities of leaders within the community and state (mayor as city leader, governor as state leader).