

"Milk Magic: Dairy Cows and Me" Educational Standards Met

According to the **Florida Department of Education**, CPALMS is the State of Florida's official source for standards in every subject area and grade level. CPALMS details Florida's B.E.S.T. (Benchmarks for Excellent Student Thinking) Standards for English Language Arts (ELA), which are mastery goals each student is expected to attain by the end of the school year. Florida's ELA B.E.S.T. Standards emphasize foundational skills, reading, communication, and vocabulary. This kit is designed to supply families with children aged 6 to 9 years with the tools to solidify these essential skills at home through learning and play.

Below are examples of some ELA B.E.S.T. Standards this kit aims to reenforce for Florida students in kindergarten through 4th grade. See a full list of standards for each grade level at www.cpalms.org/public/search/Standard.

	Foundational Skills	Reading	Communication	Vocabulary
Kindergarten	Demonstrate knowledge of the basic concepts of print.	Explain the difference between opinions and facts about a topic.	Print many upper- and lowercase letters.	Ask and answer questions about unfamiliar words in grade-level content.
1st Grade	Locate the title, table of contents, names of author(s) and illustrator(s), and glossary of books.	Compare and contrast two texts on the same topic.	Print all upper- and lowercase letters.	Use grade-level academic vocabulary appropriately in speaking and writing.
2nd Grade	Use knowledge of grade-appropriate phonics and word-analysis skills to decode words.	Identify different characters' perspectives in a literary text.	Participate in research to gather information to answer a question about a single topic using multiple sources.	Identify and use base words and affixes to determine the meaning of unfamiliar words in grade-level content.
3rd Grade	Read grade-level texts with accuracy, automaticity, and appropriate prosody or expression.	Identify an author's claim and explain how an author uses evidence to support the claim.	Present information orally, in a logical sequence, using nonverbal cues, appropriate volume, and clear pronunciation.	Use grade-level academic vocabulary appropriately in speaking and writing.
4th Grade	Read grade-level texts with accuracy, automaticity, and appropriate prosody or expression.	Explain how relevant details support the central idea, implied or explicit.	Conduct research to answer a question, organizing information about the topic and using multiple valid sources.	Use grade-level academic vocabulary appropriately in speaking and writing.

Find more educational resources at:

- Florida Ag in the Classroom: www.faitc.org
- Florida Farm Bureau: www.floridafarmbureau.org/programs/education/
- American Farm Bureau Foundation for Agriculture: www.agfoundation.org/resources/for-parents

Standards sourced from CPALMS at www.cpalms.org/public/search/Standard.

Information sourced from Florida Department of Education at www.floe.org/academics/standards.

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The Pillars of Agricultural Literacy is a framework of learning developed by the American Farm Bureau Foundation for Agriculture. Agricultural literacy, or ag literacy, is the understanding and knowledge of agriculture and its impact on society.

This kit (geared towards ages 6-9 years) focuses on introducing and strengthening families’ ag literacy through collaborative reading and play. By meeting various Pillars of Ag Literacy, this kit focuses on helping learners of all ages understand the intersection between agriculture and society, building the foundation for a love of lifelong learning. Awareness is the key objective for Early Childhood level standards. At this level, learners are expected to become aware of their connection to farmers. Learners should become aware of general farming practices and basic farm-to-plate processes. Discovery is the key objective for 4th-8th grade standards. At this level, learners are expected to discover how farmers accomplish key tasks, such as sustainability, production and processing.

Below are the Pillars met in “Milk Magic: Dairy Cows and Me” for early childhood through 3rd grade and 4th through 8th grade.

Pillar 1: The Relationship Between Ag and the Environment	Pillar 2: The Relationship Between Ag and Food, Fiber and Energy	Pillar 3: The Relationship Between Ag and Animals	Pillar 4: The Relationship Between Ag and Lifestyle	Pillar 5: The Connection Between Ag and Technology	Pillar 6: The Relationship Between Ag and the Economy
List ways that farmers care for the land. Describe the importance of water in raising crops and livestock. Explain that farmers consider how their actions affect the environment.	Describe the components of a healthy diet using the “My Plate” guide. List reasons why farmers would want to grow safe food products. Identify the agricultural source for common food, fiber and energy products (e.g. milk from cows, wool from sheep, energy from solar, etc.). Discover how American farmers keep food safe. Demonstrate safe methods for food handling, preparation and storage.	Identify animals involved in agricultural production. Identify uses for animals involved in agricultural production (i.e., work, meat, dairy, eggs). Identify ways that farmers care for animals. Give examples of specific ways farmers care for animals. Explain why farmers consider how their actions affect animals.	Identify healthy food options. Identify agricultural products that provide valuable nutrients for a balanced diet. Discover the path a processed product takes from farm to table.	Describe how technology makes jobs faster and easier in agriculture. Describe how technology helps farmers provide more food to more people. Discover specific technology that makes jobs faster and easier in agriculture. Discover how technology has changed over time to help farmers provide more food to more people.	Discover that there are many jobs in agriculture. Identify agriculture as an important industry in America. Identify jobs of interest in agriculture.

FND-1 Key Vocabulary: Farming, Feed, Livestock, Production, Ranching

FND-2 Industry Terms: Terms for species and sexual stage (i.e. cow, heifer, bull, steer)

Pillars sourced from the American Farm Bureau Foundation for Agriculture at www.agfoundation.org/resources/pillars.



PILLARS

of AGRICULTURAL LITERACY

Understanding the intersection between agriculture and society.

					
The Relationship Between Agriculture and the Environment	The Relationship Between Agriculture and Food, Fiber and Energy	The Relationship Between Agriculture and Animals	The Relationship Between Agriculture and Lifestyle	The Connection Between Agriculture and Technology	The Relationship Between Agriculture and the Economy
Land and Water Stewardship Family Responsibility Environmental Decision-making	Food Safety Inspection Energy Sources Shared Values Ethics Production Methods	Animal Welfare Animal Safety Animal Housing Systems	Food Cost Nutrition Processing Healthy Living	New Developments Impact of Technology Biotechnology Environmental Impact	Careers Impact on US Economy Hunger Role in Global Economy

FOUNDATIONAL KNOWLEDGE

Definition of Agriculture | History | Taxonomy | Identification | Production Awareness