

Colorado Academic Standard Focus

4th & 5th Grade Reading, Writing, and Communicating:

- Determine the meaning of words and phrases as they are used in a text, including figurative language such as metaphors and similes. (CCSS: RL.5.4)
- Refer to details and examples in a text when explaining what the text says explicitly and when drawing inferences from the text. (CCSS: RL.4.1)
- By the end of year, read and comprehend informational texts, including history/social studies, science, and technical texts, in the grades 4–5 text complexity band proficiently, with scaffolding as needed at the high end of the range. (CCSS: RI.4.10)

4th & 5th Grade Mathematics:

- Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on place value and the properties of operations. (CCSS: 4.NBT.5)

4th & 5th Grade Life Science:

- Humans can have positive and negative impacts on an ecosystem.
- Nonliving components are cycled and recycled through ecosystems and need to be protected and conserved.
- Analyze and interpret data identifying ways Earth's surface is constantly changing through a variety of processes and forces such as plate tectonics, erosion, deposition, solar influences, climate, and human activity.

Student Homework

Five days this week, track how much food your family throws away. This can be food left over from meals, food from the refrigerator that spoiled, or extra food that wasn't eaten. OPTIONS: 1) draw pictures of food that was thrown away 2) take pictures of food thrown away 3) make a list of food thrown away.

Results:

- 1) Estimate how many pounds of food were thrown away. A bag of flour weighs about 5 pounds.
- 2) List three ideas you have for what you and your family could do differently to prevent food going into the trash.
- 3) Discuss ideas with your class.

Additional Resources

Feed People Not Landfills video: 3 minute video from the U.S. EPA <https://youtu.be/EwNpnUUSk4M>

Taste the Waste movie: <http://tastethewaste.com/info/film>

Tips on how to start a vermicomposter: <https://gsiwaste.com/community/kids-corner/>

U.S. EPA - A Student's Guide to Global Climate Change: <https://www3.epa.gov/climatechange/kids/index.html>

U.S. EPA Sustainable Management of Food: The EPA has a lot of great resources and toolkits to help reduce waste at school, in the community and at home. <https://www.epa.gov/sustainable-management-food>

www.GrowingYourFuture.com - The Colorado Foundation for Agriculture is a 501(c)3 non-profit educational corporation and works with industry partners to help meet our shared vision of promoting Colorado agricultural literacy. We provide Agriculture in the Classroom resources and programs to Colorado educators and students, many of which are FREE or at minimal cost. Visit our website for more information about our programs, browse our online digital library, or search the Curriculum Matrix.

Answers

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What percent of food grown is never eaten? Answer is C) 30%

List three food items that you've seen thrown away at school or home that were still edible. Answers can be anything including food not eaten on trays or lunchboxes, partially eaten snacks, extra unopened milk, extra unopened food, etc.

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2 lbs. of chicken x 518 gallons of water = 1,036 gallons

6 lbs. of butter x 665 gallons of water = 3,990 gallons

12 lbs. of peaches x 109 gallons of water = 1,308 gallons

20 lbs. of potatoes x 34 gallons of water = 680 gallons

2 lbs. of chocolate x 2,061 gallons of water = 4,122 gallons

Tips on starting and using a Share Table

What is a Share Table? The Share Table is a place where students can place unopened food and drinks that they choose not to eat or drink. This provides an opportunity for other students to take additional helpings of food or beverages from the Share Table at no cost to them.

How does a Share Table work? Students must drop off unwanted food and drink on the Share Table immediately after leaving the serving line. If a student is still hungry after finishing his or her meal, he or she may pick-up items from the Share Table.

What can be placed on the Share Table? Pre-packaged food, unopened wrapped food and beverages, or food items with a peel.

Examples include: 1) Unopened milk, cheese sticks, yogurt, and cut fruits and vegetables; 2) Unopened crackers, cereal bars, and chips; 3) Wrapped fresh fruits and vegetables; 4) Unwrapped whole fruits with an inedible peel, such as oranges or bananas

No items from home can be placed on the Sharing Table.



For more information, contact:
Jennifer Scharpe, Executive Director
10343 Federal Blvd Unit J Box 224, Westminster, CO 80260
Office: 970-818-3308 • Direct (cell): 720-788-3224
Jennifer@GrowingYourFuture.com
www.GrowingYourFuture.com
Connect with us: @GrowingYourFuture

Providing FREE Colorado Agriculture in the Classroom Resources!

The Colorado Foundation for Agriculture works with community stakeholders to help meet our shared vision of advancing Colorado agricultural literacy. We provide Agriculture in the Classroom resources and programs to Colorado educators and students, many of which are FREE or at minimal cost. All of our resources reinforce Core Academic Standards making it easy for educators to teach about agriculture while teaching math, science, social studies, and reading, writing and communicating.

FOOD, FIBER & MORE SUMMER AGRICULTURE INSTITUTE

A five-day course designed for teachers who have little or no agricultural background. This is an opportunity to go “behind the scenes” of Colorado agriculture and learn innovative ways to incorporate food, fiber, fuel, and natural resource topics into academic curriculum. One highlight is the day spent one-on-one working with a producer, gaining hands-on experience on a farm or ranch. Continuing Education Units and CSU graduate level credits are available. Registration opens January 1, 2019 for these Institutes:

Greeley: June 10-14, 2019; Yuma - June 24-28, 2019; Castle Rock - July 8-12, 2019

COLORADO LITERACY PROJECT

Farmers and ranchers visit classrooms and read a book about Colorado agriculture. They answer questions, talk about their farm or ranch, and do an activity with the students. The class keeps the book! This program is appropriate for students in kindergarten through fourth grades. Visits take place from February to May. Teachers may sign up for this program NOW by using the Colorado Literacy Project Sign-Up form GrowingYourFuture.com. Early sign-ups are encouraged.

COLORADO READER

An 8-page student activity newspaper designed specifically for upper elementary students. Printed 7 times during the school year and directly mailed to 1,800 urban and rural Colorado classrooms. Each issue focuses on a different food, fiber, fuel, and natural resource topic.

ACTIVITY BOOKS

Designed to increase the level of understanding of a particular topic, each book varies in length ranging from 24 to 72 pages and can be taught over multiple class periods. They include a variety of reading and activity pages to make learning fun!

CURRICULUM MATRIX

Our best kept secret! The Agricultural Literacy Curriculum Matrix is an online, searchable, standards-based database of classroom ready lesson plans and resources for K-12 educators. The Matrix contextualizes national education standards in science, social studies, and nutrition education with relevant instructional resources linked to Common Core Standards.