



REMOTE LEARNING RESOURCES

ACTIVITIES, LESSONS & OTHER RESOURCES

GENERAL



The National Agricultural Curriculum Matrix expands e-learning:

We know that most educators are working hard to move their curriculum and instruction online. While most of our lesson plans and education resources are designed for educators in traditional classrooms, we have been busy and have just launched an [#eLearning](#) site! These lesson plans are already adapted for a student audience. This instruction can be dropped into your online platform (Google Classroom, Canvas, etc.) [Take a look!](#) We will continue adding lessons as they are converted. Follow the new [#agbyte](#) hashtag to be alerted to lesson plans and resources prepared for online classrooms.

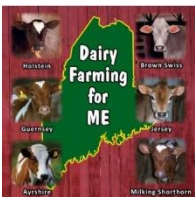


[Activity Booklet](#) by NH Agriculture in the Classroom offers puzzles, matching, coloring pages and more.



[Creative Activities](#) from Illinois Agriculture in the Classroom

A variety of craft and science projects easily done at home. Explore apples, horses, pumpkins, corn and much more.



Maine Agriculture in the Classroom has generously shared some of their [online resources](#). The Agriculture for ME book series looks at potatoes, blueberries, dairy, plants and more. These books can be downloaded or can be read in an animated form making them perfect for remote learning. Lessons and activities are referenced for each book.

Harvest of the Month Resource Pages are also available. Each page features a different agricultural commodity with interesting tidbits, links to lessons and more.

GARDENING



Plant a [Pizza Garden](#). Use your math skills to measure out the garden, calculate planting depth, determine harvest schedules and more. Fresh ingredients like tomatoes, peppers, basil and oregano will make for a delicious pizza. You can do this outdoors or create a mini version in a large indoor/outdoor pot.



Try your hand at hydroponics with this personal system using [plastic cups](#) or [soda bottles](#)



Fun activities that provide opportunities for families or informal groups to learn together, while encouraging love for nature and the environment. Make a seed viewer, try your hand at floral design or make a worm composting bin. [Kidsgardening.org](#) offers fun, educational activities for the whole family.



Make your own [worm bin](#). Using items you have at home, learn about the tiny but amazing worms who can teach us about life cycles, ecosystems, and decomposition by building your own worm bin. After you make your bin, order your worms online to start your own home composting - a perfect lesson as we all are eating at home much more now!

MAPLE

Explore our [Tapping Into Maple Tradition Curriculum](#). The primary video explores a variety of academic concepts which are an essential part of the maple sugaring process. The lessons are designed with classrooms in mind, but some of the activities could be done at home. The Companion Resources offer crafts, worksheets, puzzles and more that would be great for remote learning. Contact your local sugar house for a tour during March while the sugaring season is at its peak. They would love to share their craft! <https://nhmapleproducers.com/directory>



[Maple Poster](#): an information packed poster featuring maple syrup production and sap flow

[Maple Mag](#): a 4-page colorful magazine focused on maple in New Hampshire – history, production, statistics, nutrition and more.

[Maple Sugaring Activity Book](#) with puzzles, mazes, word problems and more.

[Maple Syrup Lapbook](#) includes worksheets and coloring sheets.

DAIRY



[Make butter:](#) learn about emulsions and changes of matter

[Make ice cream:](#) younger students - change in physical state, for older students – how salt lowers the melting point of ice

[Undeniable Dairy:](#) Discovery Education has partnered with National Dairy Council and America's dairy farm families and importers to bring your 5th–8th grade classes behind-the-scenes of the dairy community! Learn about modern farming, dairy's journey from farm to school, and the innovations that are helping care for cows and communities! Join us for a Virtual Field Trip, a 360° video experience and an interactive 360° hot spot image with accompanying activities and educator guides.

EGGS



[Educational games](#) from the American Egg Board.

[Egg Lesson Plans and Materials:](#) These are grouped by grade and many are easy to do at home. America's egg farmers invite you and your students to learn more about where your eggs come from and how eggs move from the farm to your tables. Educational lesson plans and activity sheets are now available for kindergarten through high school educators that align with the National Education Standards and educate today's youth about the benefits of a healthy diet and exercise. Students will also engage in lifelong health decisions like analyzing, comparing and making good food choices.

GRAIN



[What Foods Are in the Grain Group](#) explains the differences in grain products.

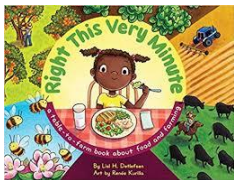
Take the **[MyPlate Grain Quiz](#)**, along with the other good groups.

[Different Types of Grains](#) video - what type to we eat more of in the United States?

[Baked Bread: How Flour is Made](#) video

[Bread recipe](#) to make at home with your kids or make **[Bread in a Bag!](#)**

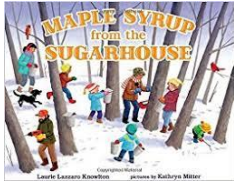
BOOKS



Right This Very Minute: A Table-to-Farm Book About Food and Farming written by Lisl H. Detlefsen and illustrated by Renée Kurilla follows children through a day of meals, snacks and dessert to explore what farmers and ranchers are doing "right this very minute" to put food on our tables. The book is geared toward children in kindergarten through third grade.

Read along with Right This Very Minute in this **[YouTube video](#)**.

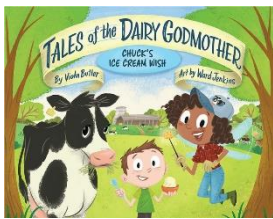
Check out our [Resource Guide](#) for lesson ideas and educational videos links. Explore how New Hampshire farmers are producing foods to fill your plate on this [placemat](#). Students can even add in their favorite farm to their own [My NH Plate Placemat](#).



Maple Syrup from the Sugarhouse by Laurie Lazzarro Knowlton is the 2019 Agricultural Literacy Program book. Appropriate for grades K-4, this book follows Kelsey, her family and her friends as they collect sap and turn it into maple syrup. A heartwarming story infused with informative descriptions is a delight for the reader.

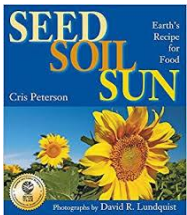
Our [Resource Guide](#) includes activities and links to other resources. Plus, our [Maple Mag](#) and [Tapping Into Maple Tradition poster](#) are now available online!

If you would like a copy of either book and along with the Resource Guide, please email nhaitc@nhfarmbureau.org. The cost is \$5.00 per set plus \$2.50 shipping per book.



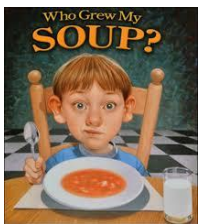
Tales of the Dairy Godmother by Viola Butler. Chuck's favorite food is ice cream. In this latest release from Feeding Minds press, people say, "be careful what you wish for," but what harm could wishing for endless ice cream be? With the help of his Dairy Godmother, Chuck is taken—poof!—on a memorable and delicious adventure to a dairy farm. He finds out exactly where ice cream comes from and gains an even deeper love and appreciation for his favorite food.

Download a sample lesson: [Milk Fireworks](#), follow along with the book in this [reading](#) or make [ice cream in a bag!](#)



Seed Soil Sun by Cris Peterson is appropriate for grades K-4, but could be adapted for any grade. This book uses wonderful photographs to explore soil, follow germination, look at composting, touch on photosynthesis and discovers the edible parts of a plant.

Read along with this [YouTube video](#) and check out our [Resource Guide](#).



Who Grew My Soup? by Tom Derbyshire. This delightful story is about young Phineas Quinn and his questions about the vegetables in the soup served by his mother for lunch. Fortunately, a man in a flying balloon appears to help find the answers.

Read along with the book [here](#) or take a look at our [Resource Guide](#).

Copies of *Seed Soil Sun* and *Who Grew My Soup* are available for \$5.00 plus \$2.50 shipping once our office has reopened.

VIDEOS & PODCASTS

A variety of [virtual farm tours](#) including poultry, dairy, sheep, crops and more.

[How Does it Grow Videos](#): the popular PBS video series exploring how different crops are grown

[Virtual field trips of dairy farms](#) originally intended for classroom use are now available on YouTube. Supporting lessons are also available.

Virtual Egg Farm Field Trips: Since 2012, the American Egg Board has partnered with Discovery Education to bring modern egg farms into today's classrooms through Virtual Egg Farm Field Trips. Join America's egg farmers in exploring their farms! A variety of videos with grade recommendations.

Outstanding in their Field: a series of podcasts that celebrate people who produce our food and those who teach about it.

ONLINE GAMES & WEBQUESTS



Farmer 2050: Journey 2050 was built as a school program for middle and high school students. It is available in the iOS/Android/Windows store as a free download but it was intended for a classroom setting. There are timers to ensure students start and stop at the same time and there are only a few commodities included. As a result, Farmers 2050 was created as a free farm game to play at home. Droughts occur, mortgage payments come due, and farm chores never stop. Students have a chance to discover what it really takes to feed the world. Players must plant crops, raise animals and craft goods to sell, while still managing the three pillars of sustainability: environmental, economic and social. Sound familiar!? New additions to the game also include advice from local experts, such as an agronomist, veterinarian and mechanic. Along the way, real farmers from around the world will show them what they are doing on their farms. Farmers 2050 is FREE to play. There are no advertisements or in-app purchases. You can also visit [Journey2050](#) for educational videos and other lessons.



My American Farm: Free online games for grades K-5 teach children math, reading, science and social studies skills in the context of agriculture.

From Seed to Shelf: Try your hand at producing boxes of crackers and distributing them to grocery stores across the country. (Ages 12-Adult)

Ag Overhead: Use your knowledge about agriculture and your gaming skills to control a troublesome weed.

Eggsville Escapades: Egg know-how will get your eggs from the hen house to your plate (ages 8-12)

ONLINE READERS



Maple Mag: a 4-page colorful magazine focused on maple in New Hampshire – history, production, statistics, nutrition and more.



Ag Mags: The Illinois Agriculture in the Classroom Ag Mags are 4-page, colorful agricultural magazines for kids. They contain information about agriculture, bright pictures, classroom activities and agricultural careers.



Egg Reader: This digital interactive piece tells the hen to home story through a series of interactive questions, puzzles and stories. This Common Core aligned piece helps students understand the different types of birds, eggs and production systems, as well as food safety and egg grades. With several fun challenges, this is a perfect piece for 3rd through 5th grades.