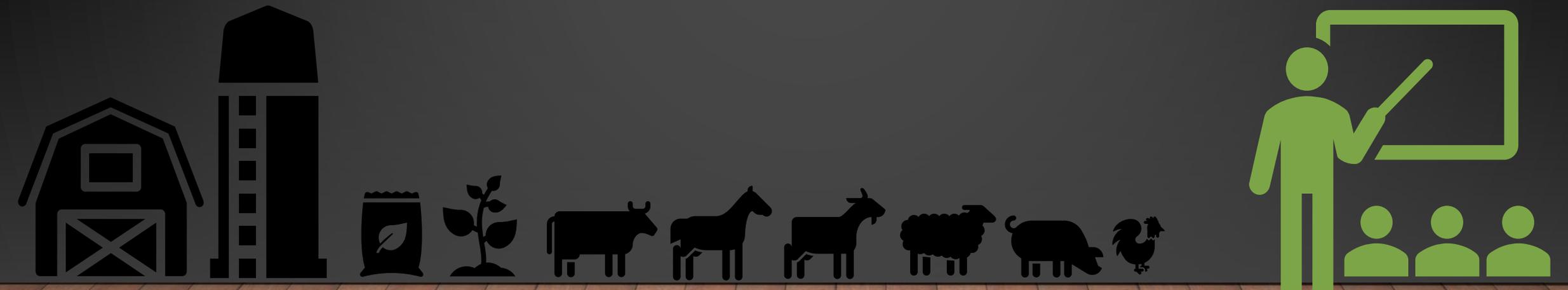


AG IN THE CLASSROOM

MICHELLE ESTES, SIMPSON CO.

MEGHANNE McCLANAHAN, BRACKEN CO.



KENTUCKY AGRICULTURE AND ENVIRONMENT IN THE CLASSROOM

- #teachKYag
 - Ky Literacy Network: <https://www.teachkyag.org>
 - Resource store
 - Free, nominal fee workshops
- https://www.youtube.com/results?search_query=ky+farms+feed+me



Kentucky Agriculture &
Environment in the Classroom, Inc.

AMERICAN FARM BUREAU FOUNDATION FOR AGRICULTURE



- <https://www.agfoundation.org/>
- Ag Accurate Books through Feeding Minds Press (<https://www.feedingmindspress.com>)
 - Resources
 - Recommended publications
- Food and Farm Facts
- Ag Mags
- <http://www.myamericanfarm.org/>
- Purple Plow
 - STEM Challenges and Puzzlers on real world issues, and can enter to win money.
 - <https://www.purpleplow.org/>



- <https://www.agclassroom.org/>
- Teacher Center tab
 - Over 435 lesson plans:

Cattle, Pigs, and Turkeys – Oh My!

Build a calf (coin) activity

Animal Ear Tag necklace and info activity

It's a Moostery

Bio Security (turkey farm/November)

Chicken/egg vlog (WebQuest)

Truth or Hogwash

Wool bracelets





- Trail Mix - Design Process and Critical Thinking (Corteva: <https://my.nsta.org/corteva/>, Purple Plow)

- Simple or long term project, virtually friendly
- Peer critique rubric: Appearance, Taste/flavor, Texture, Smell/aroma, Overall acceptability
- Math- ratio, fractions, serving size, data collection/analysis, calculate profit
- Ag- focus on state or county production items.
- Art- create ads, packaging
- Read/writing- lab notebook, write recipe, record observations, marketing plan, write a review of product
- Science- nutritional values
- Protect the Pringle Chip (egg) – STEM
 - Supply chain/modes of transportation

Determine the Components of Your Snack Mix



CORTEVA
agronomics

11

Protect the Pringle

Create a package to protect the chip

Supplies:

1. Pringle
2. Card stock
3. Tape
4. Cotton
5. Scissors
6. Cup
7. String

Test:

1. Drop from top of chair
2. Drop a book on the package
3. Mail

The group with the least number of pieces wins.



- Journey 2050 <https://www.journey2050.com/>
 - Game levels based on nutrients, water, economy, land use, world, technology
 - Curriculum based, free app game: Farmers 2050

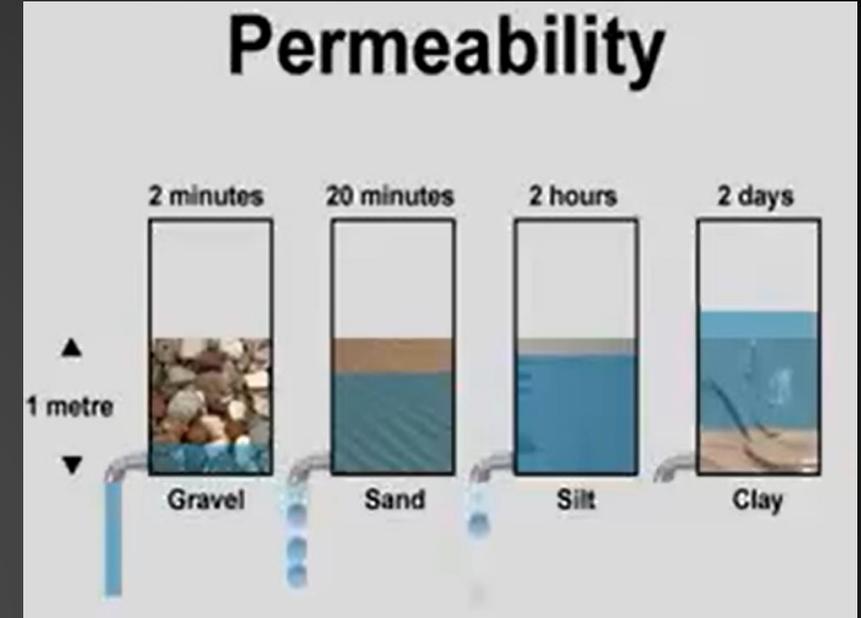


- Environmental Issues Instruction

- Engineer your own soil based on the properties, atom charges, structure and function, select a seed, see if the soil will sustain the plant, test soil for percolation.

- Here's the Beef

- A cow's digestive system demonstration: <https://youtu.be/svw5KA8YIAA>
- Ag on the Go (fairs, farmers markets, etc): <https://www.iowaagliteracy.org/WebsitePageFile/File/5F19F5ED-2727-490D-A7E0-10C81ABEB0EE/Ag%20on%20the%20Go%20COMPLETE.pdf>
- 6 hands-on activities, 3 demonstrations/presentations, 2 printables/handouts

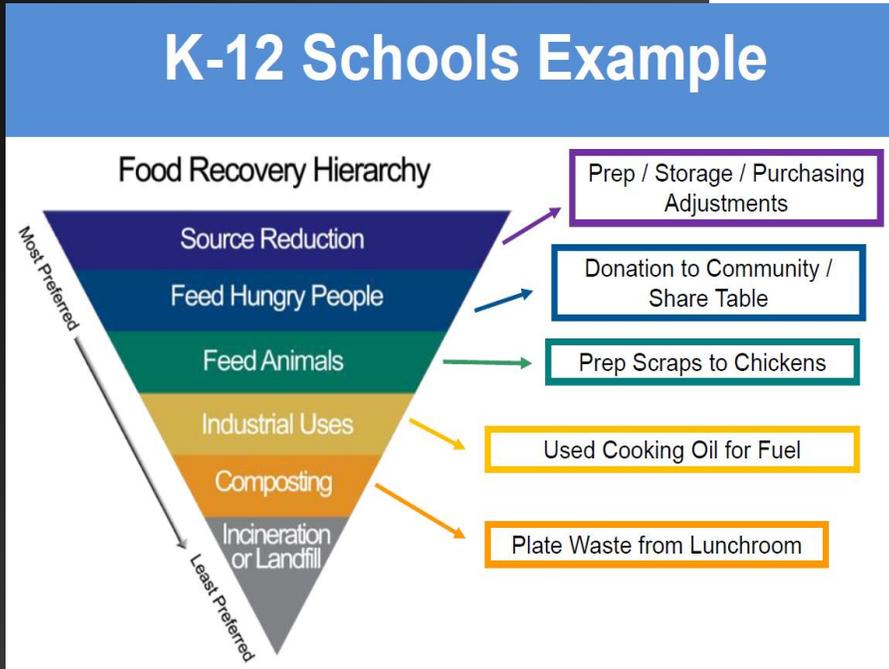
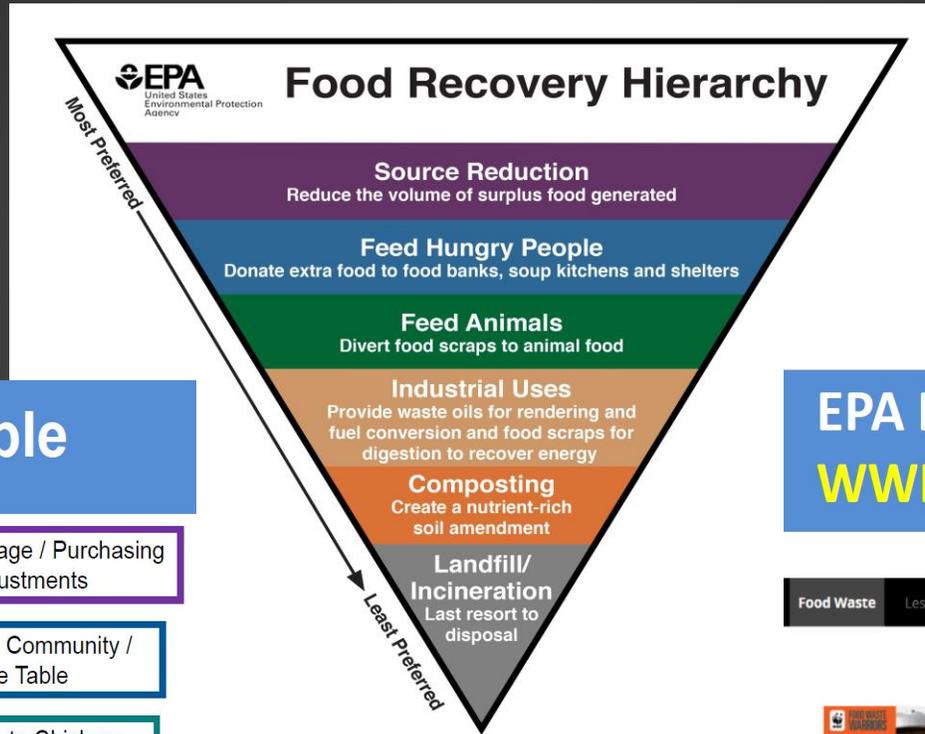


DRESS-UP A COW / BEAUTIFUL BOVINE



- Udder
- Ears/Ear Tag
- Hide
- Hooves
- Long Tongue
- Stomach
- Tail

- Taste It, Don't Waste It – EPA



EPA PARTNER TOOL: WWF Food Waste Warrior Toolkit

Food Waste Lessons Slideshows Engagement Posters More Resources FWW Stories FWW Grantees

Lessons and Activities by Grade Band

<p>A Little Food Waste Leads to a Lot</p> <p>DOWNLOAD K-2 TOOLKIT</p>	<p>Food Waste Hurts Our World</p> <p>DOWNLOAD 3-5 TOOLKIT</p>	<p>How Much Food Is Wasted Each Year?</p> <p>DOWNLOAD 6-8 TOOLKIT</p>	<p>Equipping Food Waste Activists</p> <p>DOWNLOAD 9-12 TOOLKIT</p>
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- <https://www.extension.iastate.edu/animalu/>

IOWA STATE UNIVERSITY
Extension and Outreach

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Home Orientation Certificates Educator Resources About Us Sponsors

What are you here to do?

- ANIMAL
- Learn & Grow
- Get a Certificate
- Educate Youth

Select a Topic to Explore

- Swine >
- Beef >
- Dairy > Coming soon!

Home Orientation Certificates Educator Resources About Us Sponsors

[Select Topic > Beef](#) [Challenge Code Tracker](#)

Beef

Beginner Intermediate Advanced Show Ready

01 Prior to Purchasing Your Beef Animal	02 Purchasing Your Beef Animal	03 Bringing Your Beef Animal Home
04 Hair And Skin Care	05 Exercise And Training	06 Show Prep
07 The Day Before You Travel To The Show	08 Transporting To The Show	09 At The Show
10 Show Time	11 In The Ring	12 After The Show

**SIGN-UP SHEET
FOR POWERPOINTS
FROM EACH OF THE
NAITC SESSION EXAMPLES
AND THIS PRESENTATION**

TABLE DISPLAYS

GIVE-A-WAYS



OTHER RESOURCES

- <https://www.nacdnet.org/general-resources/stewardship-and-education-materials/educational-resources/>
- <https://soilhealthinstitute.org/soil-health-360/>
 - Podcast: social media or newsletter content
- <https://youtu.be/-dhdUoK7s2s> (great prelude into Journey 2050)
- <https://ny.agclassroom.org/>
- <https://virtualfarmtrips.com/>
- <https://www.milkmeansmore.org/>
- <http://whereismymilkfrom.com/>
- USdairy.com
- <https://www.extension.iastate.edu/animalu/>
- <https://extension.umd.edu/programs/4-h-youth-development/curricula/agsploration>

