



Oregon State
University

Oregon Grown

Klamath County Extension



Mrs. Case

CHAPS



Henny Penny



Hello Students! Welcome to the Oregon Grown classroom. In our classroom we'll explore all about food—where it grows, how it grows, who grows it and best of all, how we can eat it! My name is Mrs. Case and I've brought along my friend Henny Penny. Here chicky chicky Henny. Can you guess what we'll be talking about today (Hint—what am I wearing?). PAUSE. So many things come from the farm, even things like my chaps. Can you think of other things you use every day that come from the farm?

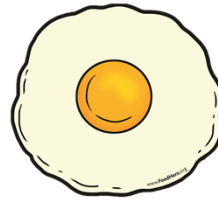
*****TEACHER NOTE:**

Key Message: Students will understand many agriculture products and waste materials can be made into products we use every day.

This lesson meets Oregon state Standards: NGSS 3-LS1-1; SS 3.10; RI 3.2, 3.7; Essential Skills 4, 9

Length: ??? minutes without pauses for the activity and discussion. Total of approximately 45-60 minutes with activity and discussion pauses.

SO MANY THINGS COME FROM THE FARM!



Did you guess any of these? Potatoes, beef/meat, eggs (thank you Henny Penny), cereal and even lotion and my chaps. Did some of those things surprise you? In this lesson you'll learn the difference between a main commodity and a by-product. There are so many things we eat and use every day that come from the farm.

It Starts on the Farm



Book: 'Til the Cows Come Home



Activity: Ag Tag Game



Here's our plan. First, we'll read a book about something special made from cows. Then we'll I play the Ag Tag Game. You'll match things that come from the farm to their original source. Yee-Haw, that's cowboy language for Let's have some fun!



Here's our book: Til the Cows Come Home. This book tells the story of a cowboy that uses and reuses a special piece of leather from cow hide. Let's stop here and read it. Think about something you've used over and over, where did it originally come from? If you've already read this book, let's continue with our lesson. Hey! But first, here is a joke Henny likes: Why don't eggs tell jokes? They'd crack each other up

*****TEACHERS NOTE:** You can check this book and/or lesson kit out by contacting your Klamath County's extension office's SNAP-Ed program. The books can be delivered with or without your classroom kit prior to the lesson date. An OSU educator will set up a time to pick up the book

and/or lesson kit after the lesson date. Please pause here to read the book to students. If you have already read the book, move on to the next slide for discussion.



Let's review. What is a commodity? The main product for which the plant or animal is grown (its first and best use). And a by-product? The other products made from the original source (or secondary). Can you tell me the commodity or main product from a beef cow? Meat or hamburger, you got it. And what would be a by-products from a cow? Remember the cowboy in the story that used leather to make chaps, vest, gloves. Leather comes from the tanning of animal skin or hide. Leather is a by product. Cow manure used for fertilizer and bones used in marshmallows are by products.

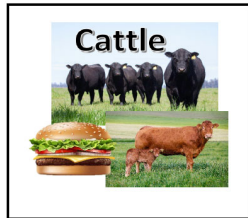


Now its time to do an activity together. We are going to match the byproducts or tag them to their original source. Let's get started.

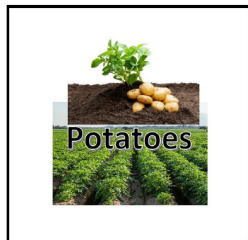
*****TEACHER NOTE:** You can request to check out a lesson activity kit from Klamath County OSU extension office. Activity options for this lesson include a physical (out of desk) Ag Tag relay game or a class set of individual (at desk) Ag Tag cards. Ag tag Cards are available on website to print or in a kit to check out & return.

If you have not received a kit. Pause here and please see the printable alternate activity kit materials and video on this lesson's webpage. You can watch the video and complete the activity using a blank piece of paper or print out the alternate activity page and use it to follow along with the video. Check out the Alternate activity section of Supporting Lesson Materials on this lessons webpage.

What you will need:



Ag Tag Matching
Game Card



1



OSU Klamath County Extension



Leather Basketball



Animal Feed/Treat



Whole Grain Noodles



Cereal



Food Starch



Steak



Leather Shoe



Wool



Hard Candy



Gelatin Dessert



Mashed Potatoes



Packing Peanuts



Bio Fuel



Crayons



Wool Hat



Popcorn



Shampoo



Bio Fuel

2



For this activity get out your Ag Tag Matching Game Card and the set of mini by- product cards. Ready?

*****TEACHER NOTE:** Pause here to ensure everyone has all materials. If you would like to provide real life examples, share real pieces of leather and wool with students so they can touch. Encourage discussion about the wool and leather pieces ask: are you wearing anything made of leather or wool?

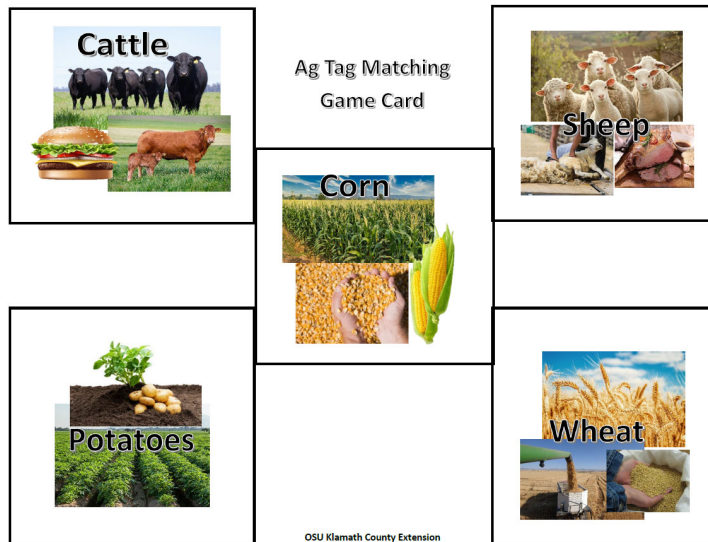
*If you have not received a kit, please see the printable alternate activity kit materials on the lesson webpage.

There are 5 commodity groups to choose from:



On your game card you have 5 commodity groups to choose from. Let's name them. Cattle, Corn, Sheep, Potatoes and Wheat.

AG TAG MATCHING GAME



Commodities:
Main product
and
by-products



Listen for instruction for the AG TAG Game. You'll match or tag pictures of by-products on your cards and place them under one of the 5 commodity groups on the AG TAG Matching Card. Remember: commodities have a main product they're raised for and also by-products that are used for other purposes. Consider all of the possible purposes for a commodity. Once we are done you will have all of your cards on the matching page. Then we'll compare our answers. .Let's head' em up and move 'em out. Y'all know why I call this game "AG TAG"? Ag is an abbreviation for Agriculture



Let's try a few together and then you can work on your own. I've got out my Matching Game Card and my mini cards. Let's look at steak. Which category should that go in? I think it should go under cattle or maybe sheep. There are more than one copy of some of the by-product cards which means they may belong in more than one commodity group. Since there are two steak cards I am going to put one under beef and one under sheep. There are two cereal cards, I know cereal is made from grain so I will put one under Wheat and one under Corn.

Let's Play Tag – you're it.

***** TEACHER NOTE:** Pause here to allow students to place cards in categories. Return to video for a review.




Let's see how your answer compare with mine. Basketballs and leather shoes are made of the cow's hide. Fat is used make crayons- so they can be under cattle and sheep. The bones from cows or sheep can be used in gelatin. Next is corn. Corn is used as a sweetener for candy; pop the kernel to make popcorn. The starch from corn can be made into packing peanuts or a as biofuel (ethanol) for cars. What items did you list under sheep? We can eat the meat. Or use the wool to make warm hats. Lanolin found in sheep skin and wool are used in lotions and shampoo. Leftovers or waste materials from animals or food provide food for our pets and farm animals. Potatoes become mashed potatoes; starch from the potatoes thickens foods like gravy or pies. Flour that comes from wheat is made into noodles or make sauces thick. Wow. Look at all those things that come from a farm? Very Gooood class.


*****TEACHER NOTE:** Pause here and all the students to clean up their game cards. Up next are MyPlate fun Facts!



That concludes your Oregon Grown lesson. Be sure to think about all the things you use everyday that start on the farm. Thank you plants, animals and farmers too. See you next time!

*****TEACHER NOTE:** After this lesson, please ensure students complete post assessment exit ticket. You can find the link on our website located on this lesson webpage under main lesson materials. This is how we are collecting data on how many students we are reaching and their understanding of our lessons. It is two questions, multiple choice/true or false.


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Form AD-475-S SNAP and FDIPIR Poster/ Revised September 2019
Atche del Formulario AD-475-S SNAP y FDIPIR / Revisado Septiembre 2019

*****TEACHER NOTE:** If program delivered in a non-school setting, you must read the script below

Oregon State University's Klamath County Extension Service would like to take a moment to share with you the And Justice For All poster, something we display when we are teaching. It provides non-discrimination information stating that our institution is prohibited from discriminating in accordance with civil rights regulations and policies. For more information see this link -> <https://www.fns.usda.gov/cr/and-justice-all-posters-guidance-and-translations>

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Credits



Oregon State University
Extension Service



**Oregon Agriculture in the
Classroom Foundation**

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Photos by: FoodHero.org; Oregon Ag in Classroom, Shutterstock

Sources:

Oregon Ag in the Classroom
Food Hero Newsletter
Oregon Harvest for Schools

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Stacy Johnson, Teacher at Shasta Elementary School (project advisor)
Patty Case, OSU Klamath Extension (developed lesson materials)
OSU Klamath Extension Nutrition Education Team

Supplemental Activities that align with this Lesson:

Grown in Oregon Scavenger Hunt from Oregon Ag in Classroom available at
<https://oregonaitc.org/lessonplan/grown-in-oregon-map-savenger-hunt/>

Additional Videos: