

Gee Whiz in AGRICULTURE



Some things about agriculture kids just want to know, and we've come up with an exciting and fun way to teach them. *Gee Whiz in Agriculture*© is a series of 11 fact-filled videos that takes viewers on journeys to farms, factories, fields, forests—even to the future. The videos, each 30 minutes in length, are designed for use with students ages 7-11. Their fast-paced format featuring young hosts and experts captures and holds the viewer's attention. Written teacher guides and student activity sheets for each program help everyone get the most out of the experience.

Gee Whiz in Agriculture© has taught students across the U.S. about the complexity and importance of the industry that provides us with food, fiber, and exports to fuel the national economy. Hundreds of thousands of students who have seen the series love it, and we think you will, too. Because, *Gee Whiz*, there are lots of things kids want to know.

Chickens and piglets and lambs, oh my!

Where do baby animals come from? From their parents, of course. We discuss this universally fascinating question by looking at the birth, growth, and development of farm animals. Physiology, embryology, nutrition, and post-natal growth and development are our star sciences. Forget the birds and bees; we've got chickens and piglets and lambs, oh my!



From moo to you!

Ever wonder how milk ends up in the grocery store? Explore a dairy food processing plant where some favorite foods

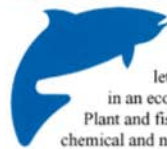
like cheese and ice cream are made. Visit a milking dairy herd and meet a young dairy expert and one of her cows. Learn why "milk does a body good" and why it is considered nature's most perfect food.

How do horses run so fast?

Why can a horse run so much faster than you? Check out the differences and similarities between equine and human athletes through anatomy and physiology. And find out how genetics and animal breeding have allowed us to create dozens of versatile breeds to help us do hundreds of tasks, large and small.



How do you grow a fish sandwich?



Learn about hydroponics and aquaculture in this fish-eye view of lettuce and fish production in an ecologically closed system. Plant and fish life cycles, symbiosis, chemical and nutrient cycling, and integrated food production are highlighted. The featured model ecosystem can be used to demonstrate these concepts.

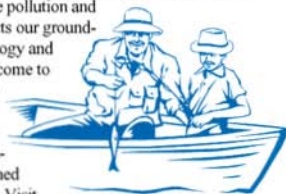
Now eat this!

America's grain is much more than you might think. Sure, corn is for eating, but it's also for drinking, wearing, carrying, and driving. Visit a soft drink plant, a corn field, a farmer's market, and a racetrack as we learn how engineering, genetics, and chemistry can change corn on the cob into the hundreds of products we use every day without even knowing they're corny.



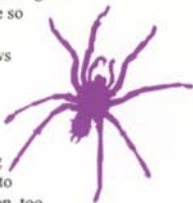
Water heroes!

Protecting our water resources takes more than just hard work; it takes water heroes. Learn about non-point source pollution and how it affects our groundwater. Geology and geography come to life in a trip to Hidden River Cave and a miniature watershed experiment. Visit streams with some young water heroes and learn what you can do to protect this precious resource.



What's buzzing you?

Insects fill millions of ecological niches because they are so adaptable. Meet an entomologist who shows us how bugs have evolved, crept, crawled and survived in so many different environments. A young expert shows you how to start your own collection, too.



Why can a cow eat grass?

Man cannot live by grass alone . . . but cows can. Why? Find out inside a cow's stomach where we take a microscopic look at its living contents. A 10-year-old expert shares her "moo-ving" experiences in this show about the unique digestive system of ruminant herbivores, the symbiotic relationship they share with microorganisms, and how they differ from humans.



Wood you take care of me?

Explore the forestry industry and its impact on our environment. Take a trip to a tree farm and the home of the Louisville Slugger® baseball bat. The science of growing and harvesting trees and their use in furniture, lumber, and paper products are highlighted, along with the ecological impacts of this "growing" enterprise.



Wool we keep me warm?

What is wool and where does it come from? How does it get from sheep to sweater? Physics, animal behavior, history, and physiology are featured in this show about wool production and processing. Take a trip to the State Fair, meet a youthful shepherd, and learn how to shear a sheep in minutes.



Yams in space!

If we ever visit other galaxies, what are we going to eat on the way? Visit NASA's Space Camp and Tuskegee University to find the answer. Take a close look at plant growth, meet George Washington Carver and Booker T. Washington, check out of the many kinds of scientists needed to run the space program, and learn more about sweet potatoes than you ever imagined.

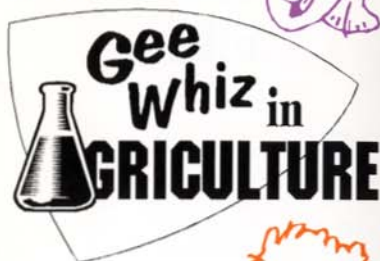


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Gee Whiz in Agriculture® is a cooperative effort of the University of Kentucky College of Agriculture, the Cooperative Extension Service, Kentucky State University, and Kentucky Educational Television.

Educational programs of the Kentucky Cooperative Extension Service serve all people regardless of race, color, age, sex, religion, disability, or national origin.



A fun, fact-filled video series created just for young students. Because, *Gee Whiz*, there are lots of things kids want to know.



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