

FOUNDATION ON THE FIRST

November 2018



**Kansas
Foundation for
Agriculture in the
Classroom**

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Giving Tuesday

KFAC will once again participate in the #GivingTuesday movement this year, taking place Tuesday, Nov. 27th. This will be the third year KFAC has participated. The day marks a global day of giving, following the spirit of the Thanksgiving holiday.

To give to KFAC on Giving Tuesday, simply go to www.givinggrid.com/kfac2018. You will find a colorful giving grid, where you click any square to start. This system allows you to put in your name and company as well as enter in a card number securely to make your donation. It also allows you or your company to stay anonymous if you so wish. KFAC will also be accepting checks mailed to our office.

KFAC participated in 2017 and raised nearly \$10,000. This year, we are excited to partner with Central National Bank and Farm Credit Associations of Kansas, who will match every donation at \$0.50 on the dollar, making it a dollar for dollar match. We greatly appreciate the support from these two great match donors.

Interested in participating or becoming a match donor? Contact KFAC for more information at (785) 320-4350 or info@ksagclassroom.org.

**#GIVING
TUESDAY**

Agritag

Currently, we have over 1,000 Agri-tags on the road! Be a "driving" force to double the message of agricultural literacy with these moving billboards. If you or someone you know are interested in getting an Agri-tag, please visit your county treasurer's office.

For an annual tax-deductible donation of \$35, you can help further KFAC's mission of connecting classrooms to Kansas agriculture. The agri-tag is the only agriculture-related specialty tag in the state. Join us in promoting Kansas' number one industry - agriculture! [Click here for more information!](#)



Teacher Feature



Our November teacher feature is Amber Kriley from Ogden Elementary. Throughout her childhood school years, Kriley had great teachers who inspired her to learn and pursue a career in education. Kriley grew up on her family farm that has been in her family for over a hundred years. Along with her family farm, Kriley was actively involved in 4-H for eleven years and in FFA for four years. She allows her own passion shine through as she prioritizes integrating agriculture into her classroom. By adapting her lessons to integrate agriculture, Kriley's students learn how agriculture is everywhere in life. She believes her students enjoy learning about agriculture because they get to learn more about her agricultural background on a personal level, which builds a stronger classroom atmosphere. She also thinks it's important for her students to learn about agriculture because they all have grown up in an agricultural community. Her favorite KFAC lesson plan is "Celebrate Wheat" because it provides students with information about one of the most abundant crops in Kansas. Congratulations, Amber! [Click here to view the whole teacher feature!](#)

Donor Feature



This month's Donor Feature is the Kansas Department of Agriculture (KDA). KDA is the nation's first state department of agriculture. The agency is devoted to the total support of agriculture in Kansas. Visit their website at <https://agriculture.ks.gov>

Lesson Plan Feature

EDIBLE SOIL PROFILE

Objectives
Soil is one of our most important natural resources. It is the Earth's living skin. Soil is a naturally occurring mixture of minerals, organic matter, water, and air, all of which combine to form the surface of the Earth. In this lesson, students will create an edible soil profile. Each food item is formed and use soil erosion to help them understand the soil structure, layers, and the importance of soil conservation.

Objectives
The student will:
1. Identify soil layers and characteristics of each layer
2. Define the factors that affect soil formation
3. Demonstrate soil erosion and identify soil and water conservation practices

Background Information
Typically, soil is thought of as the material that supports and nourishes growing plants. This is true as soil anchors the roots of plants and stores water and nutrients long enough for the plants to make use of them. However, soil's importance goes far beyond just supporting plant life.
The rich, productive soil of Kansas is the state's most valuable natural resource! Some soils were formed by the breaking down and weathering of rock. Others were formed from materials transported and deposited by water, wind, or glaciers.
Five factors contribute to the formation of soil: bedrock, climate, topography, living organisms, and time. Bedrock is a solid rock layer beneath the layers of soil. Although air and water can penetrate bedrock, the roots of plants cannot. Bedrock may be exposed, like in meadows, or it may be covered. When it is exposed, the bedrock can be broken into smaller pieces through the process called weathering. Weathering takes place when bedrock is exposed to water, air, and other natural forces over a long period of time. In this process, the rock and mineral particles eventually break down into smaller particles, which move and form new soils, where they are deposited.

Suggested Grade Level:
3rd-5th

Time:
15 minutes

Subjects:
Physical Science
Life Science
Geography
Earth Science

Contents:
1. Activity
2. Edible Soil Profile
3. Activity
4. Soil Erosion
5. Poetry
6. Vocabulary List
7. Soil Layers worksheet
8. Factors that Affect Soil Formation worksheet

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Our Edible Soil Profile lesson plan is for third through fifth graders. Students will identify soil layers and characteristics of each layer and demonstrate soil erosion as well as conservation practices. [Click here to visit the full lesson plan!](#)

October Wrap-Up

October was a month of reflection for KFAC, after many months of huge projects. We were able to slow down and appreciate the website we have spent so many months creating. We have enjoyed showing this great new addition off to all of our donors, supporters

and teachers. We are now gearing up for our annual meeting and looking forward to the next big leaps KFAC is ready to take!

Briana and Cathy

