Dear Teachers,

First, let me introduce myself; my name is Haley Kelley, I am the new 4-H Program Assistant. This is my second year coordinating the 4-H school enrichment program.

K-State Research and Extension has a long tradition of providing school enrichment programs to classrooms in Shawnee County. Again this year we are offering you exciting, hands on, educational programs to supplement your curriculum. Our programs do require a small fee to cover the cost of materials being used. We invite you to take advantage of the 4-H School Enrichment programs offered on the following pages.

Please note the dates the programs are available and place your order a month in advance if possible. Priority will be given to the orders received first.

Please visit our website and order online or print and mail order form to the address below:

K-State Research and Extension Shawnee County
4-H School Enrichment
1740 SW Western Ave
Website: www.shawnee.ksu.edu
Email: kelley13@ksu.edu
Phone: (785) 232-0062 ext. 112
Fax: (785) 232-0093

Check out these programs and the Teacher Resources on our website:
Www.shawnee.ksu.edu
Under 4-H School Enrichment
Chicken Embryology

Grade: 2nd – 3rd  Cost: $7.00

Approximate Dates: Fall program orders must be placed by 9-15-2020. Delivery of eggs will be 9-29-2020. Winter program orders must be placed by 1-19-2021, Delivery of eggs will be 2-2-2021. Spring program orders must be placed by 3-9-2021, Delivery of eggs will be 3-23-2021.

Standard: NGSS 3-LS1-1;3-LS3-1

Program Includes: 1 dozen fertilized eggs, incubator, thermometer, detailed instructions, educational material, chicken book, and chicken food.

Teacher Provides: Daily observation, turning the eggs 3 times a day.

Extension Staff will deliver the program and can give a 10-15 minute presentation about what the youth can expect over the next 4 weeks upon request. Youth will learn about chicken growth and development, daily journaling, record keeping, and the responsibility involved in taking care of chickens. Youth will understand the importance of proper egg and chicken handling as well has proper hand washing.
Ants

Grade: 1st-4th   Cost: $7.00

Dates: Live ants are available in the months of September and April. Orders must be placed the previous month, i.e. August for September and March for April.

Standard: NGSS 2-LS4; 3-LS2-1; 4-LS1-1

Program Includes: Ant farm, live ants, ant food, handouts, and DVD’s

Teacher Provides: Daily observation, DVD player, and own sand if using a personal ant farm

The ant farms will be left for the youth to observe. Youth will observe how ants have their own complex society and rely on teamwork to build their tunnels. They will also study ant anatomy.

From Farm to You

From Farm to You is a one-day event designed to show second grade students that agriculture impacts everyone from the food we eat to the clothes we wear and more! Every class gets to visit 10 learning stations taught by experts in the field of agriculture. This event fills fast!

Look for registration information to arrive in your mailbox around February 1st.

Date: April
Location: Stormont Vail Event Center
**Wheat Science**

Grade: 4  
Cost: $3.00 per kit (each kit serves 3 students)  
Standard: KCCRS Social Studies Economics and MW Region content Math: 4.MD.2  

Date: Early January and Late January, place order no later than **December 1**.

Program Includes: One bread kit per 3 students, classroom bread making instructions, teacher handbook  
Teacher Provides: **water, oil**, measuring utensils, and an **oven to bake bread in**

This program is delivered to your school office and loaned out for 2 weeks. During that time youth will learn about Kansas

**Butterflies**

Grade: 1st – 2nd  
Cost: $6.25  
Approximate Date: First Week of April  
Standard: NGSS 1-LS1-1-2; 3-LS1-1  
Program Includes: Butterfly cage, 3 Painted Lady butterfly larvae, handouts, and a **DVD**  
Teacher Provides: Daily observation, DVD Player

Extension Staff can present a 5-10 minute talk to your class about what to expect over the 4 weeks it takes for the caterpillars to transform into butterflies upon request. The students will gain first hand knowledge of insects and the process of development from a larvae to adult. They will also gain an understanding of what insects are and how they fit into our world.
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