

# 4-H School Enrichment Program

## 2018/2019 Fall & Spring Semester



**K-STATE**  
Research and Extension



Dear Teachers,

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. A few of our programs are loaned out at no cost to the schools, while some programs 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.

Order forms received in our office by **September 28, 2018** for Fall Semester Programs and **October 31, 2018** for Spring Semester

Programs will be given first priority. Any requests made after these dates will be filled only if program space is available, and on a first come first serve basis.

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

K-State Research and Extension Shawnee County,  
C/O Kim Seeley  
1740 SW Western Ave.  
Topeka, KS 66604

Website: [www.shawnee.ksu.edu](http://www.shawnee.ksu.edu)

Email: [kjseeley@ksu.edu](mailto:kjseeley@ksu.edu)

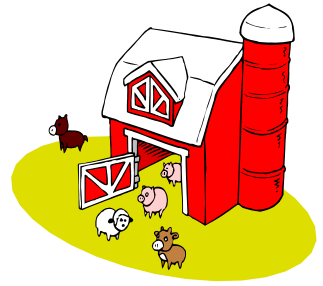
Phone: (785) 232-0062 ext. 112

Fax: (785) 232-0093

## ***Farm Animals***

Grades: K-2nd      Cost: None

Standard: NGSS:K-LS1-1;K-ESS2-3;1-LS1-3;2-LS4



### **SCIENCE INQUIRY**

Program Included: Curriculum Guidelines, Handouts, and books from the series “Kailey’s Ag Adventures.”

This program is delivered to your school office and loaned out for 4 weeks . Youth will get to learn about where milk comes from, how to care for animals and the many items we get from farm animals.



## ***3R's: Reduce, Reuse, Recycle***

Grade: K-3rd      Cost: None

Standard: NGSS: K-ESS3;3-LS4-4

KCCR Social Studies: Choices Have Consequences

Program Includes: Curriculum Binder

Teacher Provides: Experiment Instructions

This program is delivered to your school office and loaned out for 4 weeks. During that time youth will become aware of how solid waste effects our environment and ways that we can reduce, reuse, and recycle our waste. Each chapter of the program can take anywhere from 30 minutes to an hour to complete.

## ***My Plate Food Program***



Grade: 1-2

Cost: None

Standards : KCCRS in Health K-4  
Standards 1-7

Program Includes: My Plate Curriculum  
book with instructions for hands-on

experiments

Teacher Provides: Perishable food, Copies of worksheets

This program is delivered to your school office and loaned out for 4 weeks. My Plate A Yummy Curriculum is designed to introduce the importance of physical activity and eating from all 5 food groups.

### ***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: January

Program Includes: One bread kit per 3 students, classroom  
bread making instructions, teacher handbook, and a wheat  
DVD

Teacher Provides: DVD player, **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 wheat and wheat processing. Each youth will get to prepare their own loaf of bread to take home.



## ***Chicken Embryology***

Grade: 2nd –3rd    Cost: \$7.00

Approximate Dates: Feb. 13th thru  
March 7th and March 27th thru  
April 19th

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

Program Includes: 1 dozen  
fertilized eggs, incubator,  
thermometer, detailed instructions,  
educational

material, DVD, chicken book, and  
chicken food.

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



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 as proper hand washing.



## ***Fraction Power: Layered Cookie Mix***

Grade: 2nd-4th

Cost: \$5.00 per kit (each kit serves 4 students)

Dates: October, December, February, and April

Standard: KCCRS Math: 3.MD.3; 4.MD.2; 4.NF.3; 3.NF.1; 3.OA.8; 2.OA.1

Program Includes: All the materials to make the cookie mix, handouts, and curriculum material

Teacher provides: Volunteers to help with the assembly of the mix.

This program will be delivered to your school office and loaned out for 3 weeks. Youth will make a layered dry oatmeal chocolate chip cookie mix. They will use their math skills to measure out the ingredients for the mix.

## ***Ants***

Grade: 1st- 4th      Cost: \$7.00

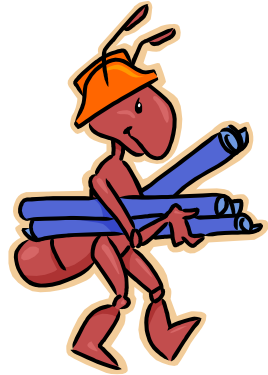
Standard : NGSS 2-LS4; 3-LS2-1; 4-LS1-1

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.



## ***Butterflies***

Grade: 1st –2nd    Cost: \$6.25

Approximate Date: First Week of April

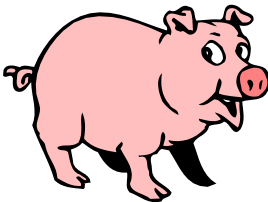
Standard: NGSS 1-LS1-1-2; 3-LS1-1

Program Includes: Butterfly cage, 3 Painted Lady butterfly larvae, handouts, and a DVD

Teacher Provides: Daily observation, DVD Player



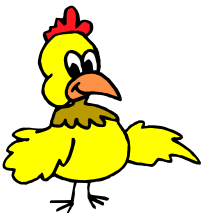
Extension Staff can present a 5-10 minute talk to your class about what to expect over the 4 weeks it takes for the caterpillars to transform into butterflies upon request. The students will gain first hand knowledge of insects and the process of development from a larvae to adult. They will also gain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



### **From Farm to You**

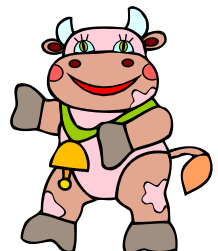
From Farm to You is a **one-day event** designed to show **second grade students** that agriculture impacts everyone from the food we eat to the clothes we wear and more! Every class gets to visit 10 learning stations taught by experts in the field of agriculture. This event fills fast!

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



Date: April

Location: Kansas Expocentre





HEAD



HEART



HANDS



HEALTH

Order on line today at [www.shawnee.ksu.edu](http://www.shawnee.ksu.edu)

4-H School Enrichment menu on the left side of  
K-State Research and Extension home page.

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Kansas State University is committed to making its services, activities and programs accessible to all participants. If you have special requirements due to a physical, vision, or hearing disability, or a dietary restriction please contact Candis Meerpohl (785) 232-0062, ext. 120.