

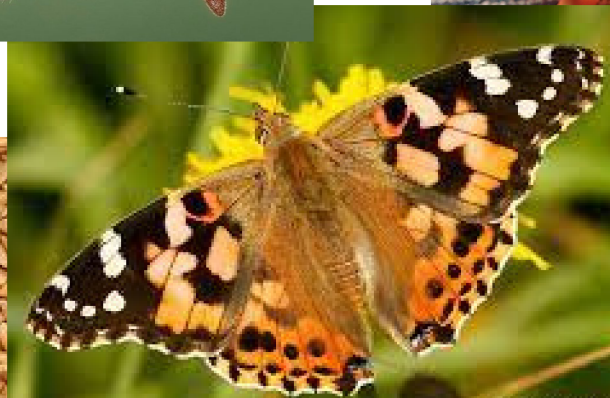
K-STATE
Research and Extension



4-H SCHOOL ENRICHMENT PROGRAM

Shawnee County K-State
Research & Extension

Fall 2023 / Spring 2024 School Year



Dear Educators,

K-State Research and Extension has a long standing tradition of providing school enrichment programs to classrooms across Kansas. We at the Shawnee County Office are ecstatic to offer these opportunities to our local classrooms. Our Programs fall into a wide range of areas including but not limited to; Biological Sciences, Environmental Sciences, Food & Nutrition and Plant Sciences.

We are focused on providing youth with an opportunity to explore, discover and master through positive, hands-on activities and interactive discussions with classmates and caring adults.

Shawnee County Extension has six agents in the areas of Agriculture, Horticulture, Family and Consumer Sciences, Community Vitality, 4-H Youth Development, and Foods and Nutrition Educations. We also have several Program Assistants/Educators in the above areas.

Please contact us to reserve programs for your classroom!

Don't see a topic your students would be interested in?
Reach out! This booklet contains only a sampling of what
Shawnee County Extension has to offer!

Kansas State University Agricultural Experiment Station and Cooperative Extension Service. K-State Research and Extension is an equal opportunity provider and employer.

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 Grace Wiens (785) 232-0062, ext. 120.

If you have been taking part in our School Enrichment Programs for several years, you may notice a change in this year prices.

It is time to to replace many aging items as well as update books and other educational materials. As we all are aware, costs have increase a crossed the board.

It is a goal here in the 4-H office to reach out to investigate some sponsorship of programs and/or schools.

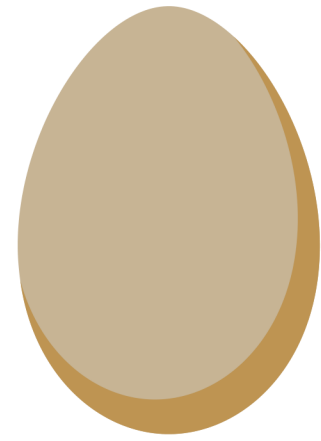
If you school or district work closely this any business you think might be interest in helping, please let us know! We are happy to make new connection to help better the community.

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Chicken Embryology



Prices: \$7.00 for 12 eggs

\$14.00 for 12 eggs & an incubator

Target Grade Levels: 2nd- 3rd

Availability: One Session in October, February and March. (See Program Calendar for more details.)

Observation Length: 4 weeks

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

Extension Office Provides: One dozen Hatching Eggs, Online recourses, Detailed Instructions, Incubator (if needed), and other educational materials (as requested).

Teacher Provides: Daily observation, turning the eggs at least 3 times a day including the weekends, Brooder, feeder and waterer once chicks have hatched.

Over four weeks, students will learn about embryology development through observing the 21-day incubation period while getting a chance to hatch their own chicks. Youth will also learn about proper hand washing while handing chicks and the responsibility of raising chickens.

Haley is happy to come into the classroom (physically or virtually) to give a quick 10-15 minute presentation about what the students can expect over the four weeks of growing. Please reach out to her to get your classroom on her schedule.

2023 Program Calendar

september

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

december

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
						31

october

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15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

november

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

Sept 25- Fall Ant Order
Deadline

Sept 26th- Fall Chick Embryo
Order Deadline

Oct 9th- Fall Ant Delivery

Oct 10th- Fall Egg Delivery

Nov 6th- Ant Pick-Up

Nov 7th- Embryo Pick Up

Dec 1st- Wheat Science Order
Deadline

2024 Program Calendar

January

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

april

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28	29	30				

february

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may

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19	20	21	22	23	24	25
26	27	28	29	30	31	

march

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24	25	26	27	28	29	30
31						

Jan 5th - *Early Wheat Science Delivery (Tentative)*

Jan 16th- *Winter Chick Embryo Order Deadline*

Jan 22nd - *Late Wheat Science Delivery (Tentative)*

Jan 30th- *Winter Egg Delivery*

Feb 27th- *Winter Embryo Pick-Up*

Mar 5th- *Spring Chick Embryo Order Deadline*

Mar 18th- *Spring Ant & Butterfly Order Deadline*

Mar 19th- *Spring Eggs Delivery*

Apr 1st & 2nd- *Butterfly Delivery*

Apr 16th- *Spring Embryo Pick-Up*

May 6-7th- *Ant & Butterfly Pick-Up*

May 13th- *Last Day to return all program materials*

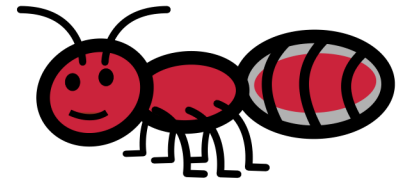
Price: \$10.75

Ants

Target Grade Levels: 1st-4th

Availability: One Session in October, and April (See Program Calendar for more details.)

Observation Length: 3-4 Weeks



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

Extension Office Provides: Ants farm, Live ants, Ant food, Water Dropper, Online Recourses and other Educational materials (as requested).

Teacher Provides: Daily observation, Feeding, and Watering

Over four weeks Students will get to watch the ants build their colony while learn about ant anatomy, life cycle and the role of ants in the environment.



Price: \$4.00 per Kit

(each kit serves 3 students)

Wheat Science

Target Grade Level: 4th

Availability: Two separate sessions in January

Standards: KCCRS Social Studies; Economics & MWV Region content Math;4.MD.2



Extension Office Provides: One bread kit per 3 students, Bread Instructions, Online Recourses, and other Educational materials (as requested).

Teacher Provides: Water, Oil, measuring utensils & an Oven to bake the bread.

The prefect program for Kansas Day! Over two weeks, students get to explore the importance of Kansas wheat, principles of baking, yeast development, and good nutrition.

Price: \$8.25 for 3 larvae

Target Grade Level: 1st-2nd

Butterflies

Availability: One session in April

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



Extension Office Provides: 3 painted Lady larvae with food, Online recourses, Butterfly Habitat (if needed), and other Educational materials (as requested).

Teacher Provides: Daily observation, Provide Sugar Water once butterflies have emerged.

For four weeks 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. Haley is happy to come into the classroom (physically or virtually) to give a quick 10-15 minute presentation about what the students can expect over the four weeks of growing. Please reach out to her to get your classroom on her schedule.



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 can fill up fast!

If you are interested in getting your classroom signed up to go, please reach out to our office Director, Candis Meerpohl, candism@ksu.edu.

Date: April (Tentative)

Location: Stormont Vail Event Center





HEAD



HEART



HANDS



HEALTH



CONTACT US FOR MORE INFORMATION

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