

PROGRAM IMPACT REPORT

School Enrichment

2023-24 SCHOOL YEAR

School enrichment programs provide additional, hands-on learning to supplement curriculum in the classrooms.



K-STATE

Research and Extension

Wabaunsee County

	SCHOOL	GRADES	PROGRAMS
25 Students	Creative Minds Child Care	Preschool	<ul style="list-style-type: none">• Butterfly Life Cycle• Frog Embryology
232 Students	Mission Valley Elementary School	Kindergarten through Sixth Grade	<ul style="list-style-type: none">• Butterfly Life Cycle• Chick Embryology
219 Students	Pottawatomie – Wabaunsee Regional Library – Alma Branch	Public – All Ages; Homeschool	<ul style="list-style-type: none">• Frog Embryology
37 Students	Prairie Heights Elementary School	Kindergarten, First Grade, & Third Grade	<ul style="list-style-type: none">• Bread in a Bucket• Butterfly Life Cycle• Hooray for Handwashing
43 Students	St. John Lutheran School	Kindergarten through Eighth Grade	<ul style="list-style-type: none">• Butterfly Life Cycle• Chick Embryology• Frog Embryology• STEM: Coding & Robotics
46 Students	Wabaunsee Elementary School	Kindergarten, Second Grade & Fifth Grade	<ul style="list-style-type: none">• Chick Embryology• Frog Embryology• Hooray for Handwashing• MyPlate

Funding summary

\$10,000

Ed Program Budget

\$500

Non-Appropriated

\$17,000

Grants

Acknowledgements

We are grateful for the funding from ARP, Capstan Ag & Cargill that allowed us to purchase the additional program materials.

"Thanks for taking one for the team and doing the "gross" part. It taught them a lot and I fully believe in those "life lessons"!" ~Mrs. Logan Heine

Bread in a Bucket

During this fun, hands-on activity, students will learn about yeast activation and grain science. Each child will have a mini loaf of bread to take home and one to share.

37
students

Butterfly Life Cycle

Over a four week period, students observe larvae turn to adult butterflies. Initially, students help Extension staff set up the habitat and place the caterpillars in a safe spot in their classroom. At the completion of the program, butterflies are released outside the school.

79
students



Chick Embryology

Over 21 days, students observe the development of the chick embryos. Students assist Extension staff in setting the eggs in the incubators, candling the eggs, “building a home”, and holding the hatched baby chicks.

Some teachers have asked to open the eggs of the unhatched to observe at what point the embryo was when it stopped progressing. Students compared the embryo to the provided exploration set.

Lessons

- Day 1
 - Set the eggs and expectations for the next 21+ days
- Day 6–8
 - Candle eggs
- Day 14
 - “Build a Home”
- Day 21–23
 - Move the hatched chicks to their home from the incubator. Students hold chicks for a few minutes
 - Teacher Discretion – open eggs to see the development of each embryo

Teachers use the provided exploration set to see the expected growth of the embryos.



261
students



Conservation Day

Conservation Day is held annually in April at the Wabaunsee County Fairgrounds. Students in grades 3rd through 6th at Mission Valley, Prairie Heights, St. John Lutheran, St. John Vianney, Wabaunsee Elementary, & Wabaunsee Junior High are invited to attend.

Conservation Day is a partnership between Wabaunsee County Conservation District, NRCS, and Wabaunsee County Extension.



182
students

Presenters

- Debbie Feyh
- Every Green Team
- Fire Science, Lori Bammerlin
- River Runner, WB Co Conservation District
- Soil Scientists
- Wabaunsee County Extension
- WHS FFA
- Wrenn Pacheco

Acknowledgements

A special thank you to Danny Davis & his students for their assistance in lunch prep and group leadership.



Frog Embryology

Frog Embryology is a nine week unit that students observe the beginning stages of a frog.

279
students

Hooray for Handwashing

Handwashing is one of the best ways to prevent the spread of disease and staying healthy. Students learn the best method and process for washing their hands through a staff led experience. They get to see how well they wash their hands using a glowing lotion to help them understand the areas that they may need a little more attention.

29
students

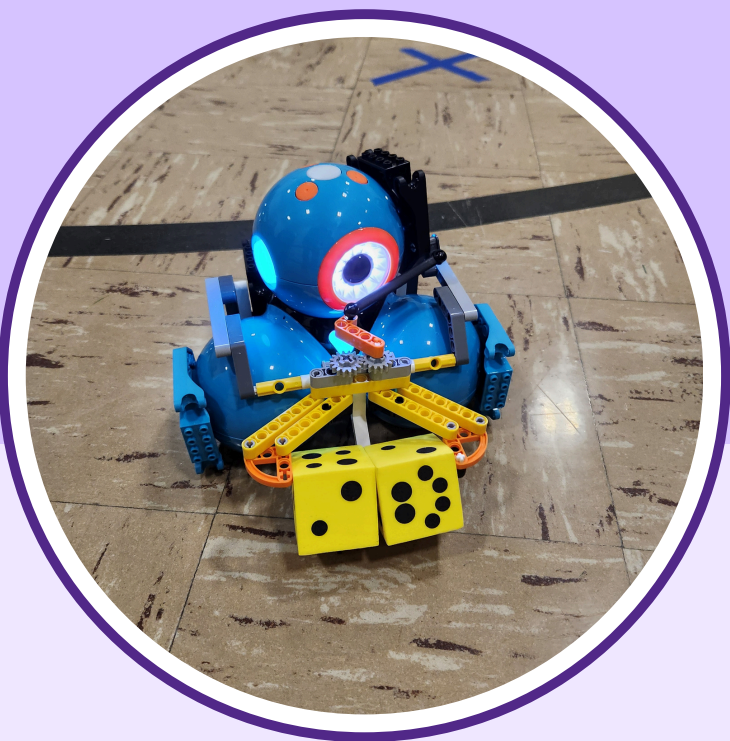
MyPlate

Students learn the importance of balanced meals and what should be on their plates through four class sessions. Staff encourage students to try new foods they may not typically pick from the menu.

After a “Thank You” bite, students oftentimes realize they like something and ask their parents to include in their family meals.

17
students

STEM: Coding & Robotics



28
students

Explore the world of coding through introductory online activities, finishing with hands-on robot testing. Students started with free play and drop coding. Over a six week period, students worked together to code robots to complete pre-made patterns and avoid obstacles along the way.

Students related the technology used in coding robots to real world careers and survival over twelve class sessions.

Lessons

- Junk Drawer Robotics
 - Minimal supplies to build a car that will move with wind energy
 - Limited “Robo Bucks” to purchase additional supplies
- Edison Robots
 - “Plug & Play” drop coding
- Indi Robots
 - Pre-Color Coding – create a pattern to successfully complete the course
- Dash Robots
 - Free Play – learn how your robot works
 - Drop Coding
 - Build Gripper Kits to pick up “hay bales” & deliver to the correct shed

