

Douglas-Sarpy Counties 4-H Omaha, NE

Meeting the needs of our Youth
and Families in these Non-
Traditional Times.

June 19, 2020

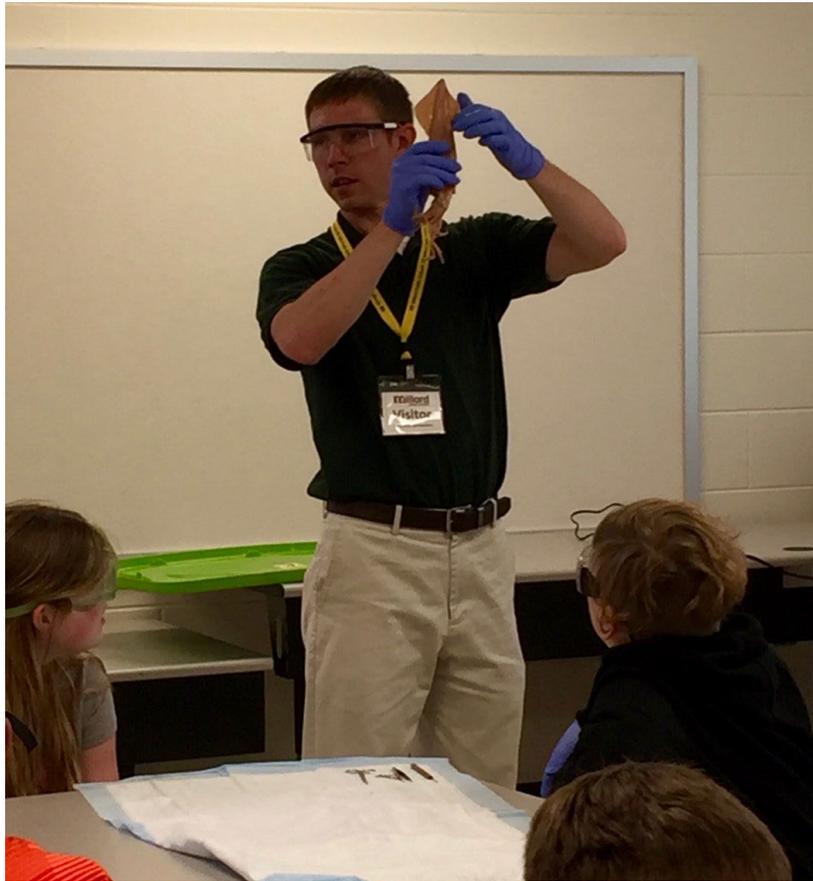


Douglas-Sarpy 4-H School Enrichment Program

- Serve Youth in the Omaha-Metro Area
- 3 Extension Educators, 3 Extension Assistants, 1 Administrative Assistant
- 13 School Districts + Parochial and Home School Cooperatives
- Total Reach (Year 18-19) 16,716 Youth
- STEM and Ag Literacy Programming
 - In School, After School, Workshops and Festival-Style
- Extension Program Partners
 - NEP, Community Environment (Horticulture), Learning Child
- External Program Partners
 - Girls Inc, North Star, Salvation Army, Offutt AFB, Omaha Home for Boys, Urban League of Omaha, Nebraska Game and Parks, etc.



4-H School Enrichment - What Sets Us Apart!



- STEM School Enrichment
 - STEM Programming that meets Nebraska State College and Career Readiness Science Standards
 - Biology, Chemistry, Physics, Agriculture, Computer Science, etc.
 - Supplement what the teachers are teaching
 - Ex. Pig Heart Dissections for Anatomy/Physiology Class
- Bring the expertise and materials to the classrooms.
- Popular Programs
 - Embryology
 - Bridges and Structures
 - Dissections
 - Ag Literacy Festivals

Meet the Youth Where They're At!

Modifications to our Traditional Delivery

- Virtual
- Hybrid-Virtual
- Take-Home Activities

Meeting the needs of the teachers and families

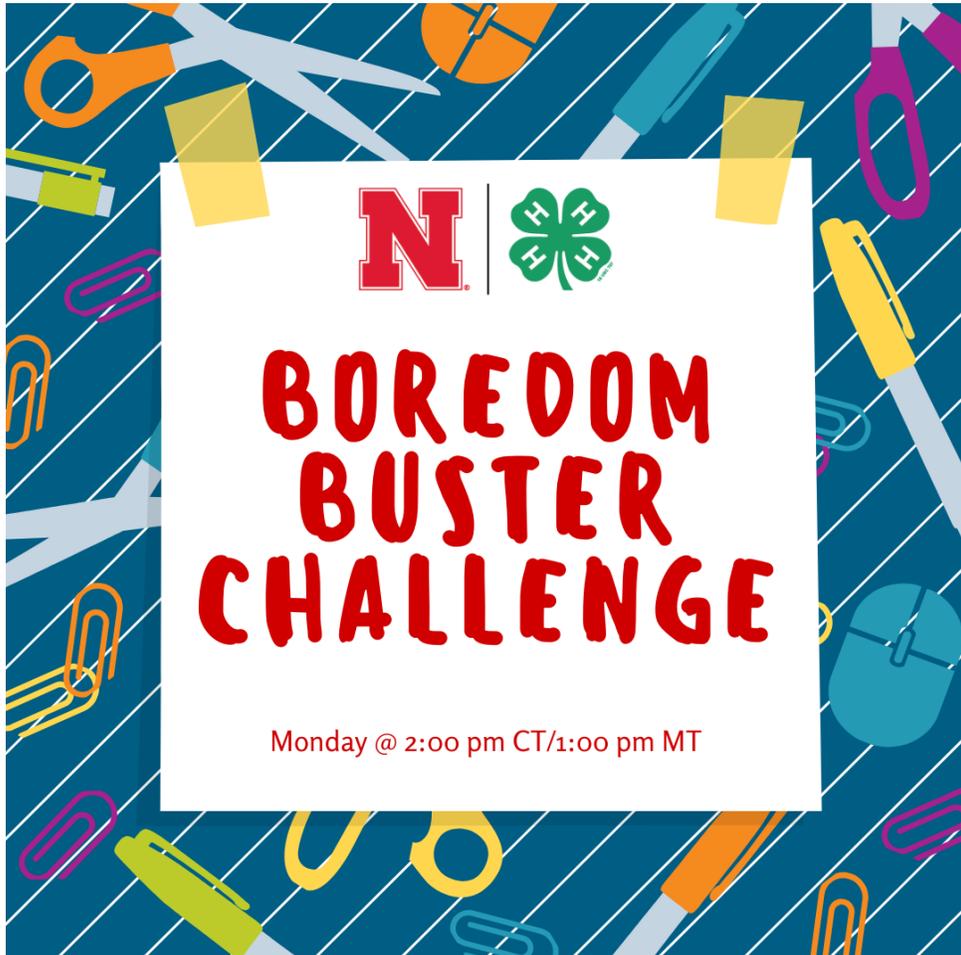
- Programming
- Engagement
- Educational

Virtual Programming-Nebraska 4-H



- Living Room Learning activities are intended for youth in 3rd-5th grades.
- Projects selected from existing research-based curriculum resources.
- The activity is 15-30 minutes long with instruction a bit longer.
- Hands-on experience where youth are learning by doing.
- Have clear learning objectives that fit with one of our curriculum areas.
- Use materials that families are likely to have at home.
- Be delivered via Zoom.
 - A Host is used to monitor chats, youth videos and to ask questions and continue the conversations and learning.
- <https://4h.unl.edu/living-room-learning>

Virtual Programming-Nebraska 4-H



- For youth in 6-9th grades and has two parts. Part 1 (on Monday) introduces the challenge, and part 2 (on Wednesday) introduces new twists and turns to the challenge.
- Projects are selected from existing research-based curriculum resources.
- Projects can be completed in 15-30 minutes. Instruction is a bit longer.
- Incorporate hands-on experience where youth are learning by doing.
- Have clear learning objectives that fit with one of our curriculum areas.
- Use materials that families are likely to have at home.
- Be delivered via Zoom.
- <https://4h.unl.edu/boredom-buster-challenge>

Imagine Science Program



Virtual Biomedical
Engineering Camp!

- Engaging Youth with a week-long, virtual STEM experience.
- Biomedical Engineering
 - Partners:
 - NASA
 - University of Nebraska Medical Center (UNMC)
- Topics
 - Biomedicine in Space
 - Laparoscopic Surgery
 - Prosthetics and Pills
 - Nano-Technology in the Body
 - Career Day with UNMC and NASA
- <https://4h.unl.edu/imagine-science>



4-H Classroom Caddy: Summer Edition



- Developed by our 4-H Assistant Tayler Wickham.
- A weekly delivery of activities available to teachers and parents alike.
- Use the SMORE platform for delivery.
- 144 individuals receive the weekly blast.
- <https://www.smore.com/w5gty>

Virtual, Hybrid and Take-Home Programming



- A combination of all virtual STEM Delivery and/or Virtual Delivery and Materials drop off/pick up
- Embryology
 - Virtual Program Content Delivery
 - Incubator Pick up and Drop Off using Covid-19 guidelines
 - Teachers hatched eggs in their own homes and live-streamed the project with their students.
 - 37 Teacher participants
 - Over 250 Youth served with this virtual-hybrid program
- Ag Literacy Kits
 - Ag curriculum with all needed materials to perform the project
 - Based on National Ag in the Classroom and

Programs in the Works!



- Smart Cents Financial Literacy Program
 - Youth and Family Engagement
 - Online and Face to Face Delivery
- Virtual Ag Literacy Programming
 - In lieu of our traditional Ag Literacy Festivals
- 4-H Health Rocks Mentoring Program
 - Face to Face and/or Virtual
- Youth-Led CS Programming
 - 360 degree video VR Experiences
- Virtual Babysitting Clinics
- Continuing to modify our traditional STEM programming to create virtual experiences

Brett Kreifels
Urban Program Coordinator, Douglas-Sarpy 4-H Program Lead
8015 W Center Rd.
Omaha, NE 68124
402-444-1799
bkreifels3@unl.edu

Thank You.

