

Deadline Wednesday, February 27

Checks Payable to: Ness Co. 4-H Council

Enclose

- Registration Form
- Payment
- Kansas 4-H Participation Form

Name _____

Address _____

Phone _____

Email _____

- Youth Age _____
- Adult Parent _____ Leader
- T-shirt Size Youth _____ Adult
- Sm Med Lg XL
- Extra Lunches @ \$5 ea. _____

Please rank the class choices 1,2,3 as space is limited.

Session 1 – 10:00 – 11:00

- _____ Reach for the Stars!
- _____ Drone Discovery
- _____ Junk Drawer Robots

Session 2 – 11:00 – 12:00

- _____ Reach for the Stars!
- _____ FHSU Center for Applied Tech Tour
- _____ Basic Rocket Building **Part 1 of 2**

Session 3 – 12:45 – 1:45

- _____ Basic Rocket Building **Part 2 of 2**
- _____ FHSU Center for Applied Tech Tour
- _____ Maker Space Van

Session 4 – 2:00 – 3:00

- _____ Maker Space Van
- _____ Meet Vector!
- _____ Catapults

Sponsored by:



Walnut Creek District 4-H

503 S. Pennsylvania St.
Ness City, KS 67560
(785) 798-3921
rdeines@ksu.edu

Cottonwood District 4-H

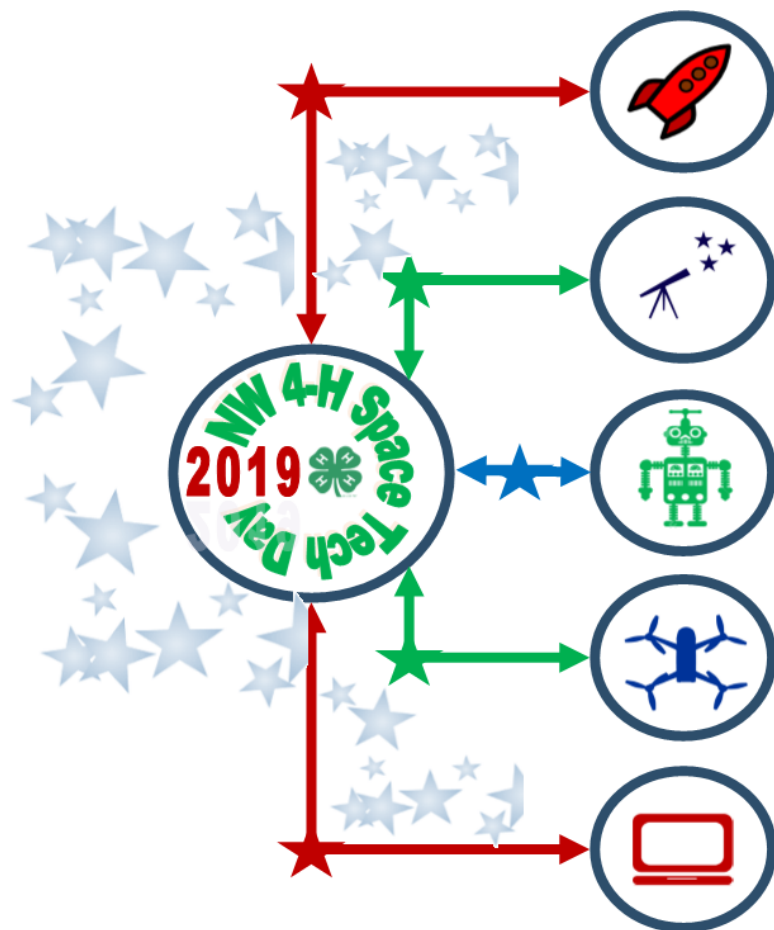
601 Main
Hays, KS 67601
(785) 628-9430
sschlich@ksu.edu

Thanks to:



FHSU Science and Mathematics Education Institute

**FHSU Center for Applied Technology
FHSU Maker Space**



Saturday, March 9, 2019

**FHSU Center for Applied Technology
North College Drive
Hays, KS**



Who – youth, parents and 4-H project leaders who want to learn more about 4-H SpaceTech projects.

What – Hands-on learning experiences with Astronomy, Robotics, Rocketry and Unmanned Aerial Systems (UAS, Drones).

When – Saturday, March 9, 2019
Registration and get acquainted will start at 9:30 with the first session starting at 10:00 am. We will wrap up the day by 3:30 pm

Cost – Registration cost is \$20 per participant which includes snack, lunch, workshop materials and a t-shirt.

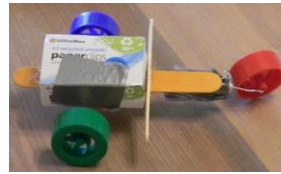
Lunch/Snack – Lunch will be provided for paid participants. Add \$5.00 fee for additional family members not fully registered. **Please note on registration.**

Registration deadline is February 27th.
Mail to: Walnut Creek Extension
503 S. Penn, Ness City, KS 67560

Please invite your friends! Participants may be 4-H members, non-4-H members who love SpaceTech, Scouts or home school youth. Spread the word and help us fill the classes!

Hands-on Activities

Take time over the lunch hour to explore and make a wide variety of quick, simple and inexpensive SpaceTech hands-on activities. These activities are fun to learn about and also fun to share at day camps, after school programs and 4-H club meetings.



Junk Drawer Robotics

Everyone has a junk drawer at home. . . come and see what those little parts and pieces can be used to build. Ellis Co. 4-H teens will guide you through several activities that will let you explore grabbers, movers and more.

Basic Rocket Building – 2 Part Class – Choose both sessions – Would you like to learn how to make a rocket look stellar? Build rockets with Steve Arthur from the Ellis Public Library. He will provide the rocket kits and will give you some pointers on how to build and finish your rockets so they look “out of this world”.

Drone Discovery

Drones are revolutionizing the way we work and play. Whether you are a filmmaker looking for the perfect aerial shot, a rescue worker mapping damage from a natural disaster or a farmer determining how to increase crop yield, come and join us as we explore drones. Brett Droegemeier, Ellis Co. 4-H Teen Leader will talk about the ins and outs of drones, including how to use them responsibly!



FHSU Center for Applied Technology Tour

Come and see what state of the art workshops and labs look like on a tour of the new facility on FHSU campus. These labs include working robotic technology. Check out the student competition bots on the college level, as well.

Reach for the Stars!

Are you a star gazer? Would you like to know more about what you’re looking at when you look up at night? Come join us for an interactive session learning more about what you see in the night sky. GG Launchbaugh from the FHSU Maker Space will lead you in several hands on opportunities.



Meet Vector!

The newest robot on the Ellis Co. 4-H team, Vector is a lot of fun for everyone! Get to know what Vector can do and see the possibilities in learning to program this little bot full of personality! The Ellis Co. 4-H Tech Team members, Colton, Kaleb and Luke will show you what Vector’s all about.

FHSU Maker Space Van

This mobile tech lab is full of fun, hands-on learning opportunities. GG Launchbaugh of the FHSU Maker Space will lead you on a tour of the van and show you some cool 3-D printer projects. Weather permitting, we will also launch a high altitude weather balloon during this session. Check it out. You may want to invite them to bring the van to your community!



Catapults and Other Small Machines

Come learn the basic engineering that goes into creating large scale creations, using junk drawer items to create a catapult and balance arm.