

Fayette County

February 2023

4-H
CLOVER
KIDS

CLUB MEETINGS

Arlington Igniters

Feb 28 — 6:30 pm

Banks Go Getters

Feb 12 — 6 pm

Dover Clover Kids

Feb 5 — 4 pm

Dynamite Clovers

Feb 5 — 5 pm

Eden Outer Limits

Feb 12 — 6 pm

Fayette Clovers

Feb 12 — 1 pm

Fremont Friends

Feb 19 — 4 pm

Growing Greener

Feb 19 — 6:30 pm

Oelwein Cool Clovers

Feb 21 — 4 pm

Pleasant Valley

Feb 5 — 5:30 pm

Scott Hot Shots

Feb 5 — 1 pm

Windsor Sparkplugs

Feb 5 — 6 pm



I wish everyone all the happiness, love, abundance, and fulfillment for this coming new year!

My word to challenge myself for 2023 is HEART. I want to put my heart into everything I do. I want to be there for my friends, show up for my siblings, support my partner, bring joy to my parents and grandparents, and hopefully, one day, love my children (and all the four-legged children I have, for now). I challenge you all to find your "word" for this year.

I learned so much from my colleagues and families that I had the pleasure of meeting and interacting with. You all have filled my heart with wisdom, spark, spirit, grit, and gratitude. To take on this "One Word"- HEART. Therefore, I have decided it is my time to part ways with Extension and 4-H as a professional.

4-H will be forever in my heart. I bleed green every day. I have wanted to return to school and was recently accepted into Morningside University to pursue my passion for Art AND Education! As I am excited about my next chapter, I am also saddened to leave behind all my amazing 4-H families and all our memories yet to make!

With all my heart, thank you,

Cody Emery

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Extension and Outreach

Winter Science Experiment

As I prepare the February Clover Kid newsletter, we are under a Winter Weather Advisory so what better activity to encourage you all to do but a “Hands-On Snowy Science!” activity. The Enjoy Winter Science Experiment Set-up comes from <https://www.kcedventures.com/simple-science-experiment-how-much-water-is-in-snow/>

Did you know....

- ⇒ Water droplets fall to the earth as precipitation, in the form of rain during warmer months and snow during colder months.
- ⇒ That most precipitation starts as snow, high up in the atmosphere, and then melts into rain when the temperature closer to the ground surface is above freezing? During the winter, when the atmospheric temperature is below freezing, the precipitation stays as snow!

This fun, simple experiment will answer an important question. How does an inch of rain compare to an inch of snow?

Supplies needed for this Melting Snow Science Experiment include:

- a clear jar that you can filled with snow (Mason jar works the best)
- dry erase markers
- a ruler – we have this cool flexible/bendable ruler that we use with our nature experiments
- a sheet of paper/sticky note
- pencil
- a clock

** Note: since we're putting cold snow into a glass jar, there will be some condensation on the outside of the jar during the experiment — so you may want to place the jar on a towel or a surface that can get wet.



Steps:

- Head outside and fill the jar with snow, packing down some so you have a nice solid amount.
- Bring the jar back inside and mark your snow line using the dry erase marker. NOTE: This may be difficult as the glass jar will be super cold & wet so the marker may not work right away. If you have a problem with the marker not writing, try adding a rubber band around the jar to mark your start line.
- Use ruler to measure the height of the snow in your jar.
- Write down the time you started the experiment on a sticky note or piece of paper
- Use the dry erase marker to mark their estimation or 'guess' line by drawing a line and placing a “G” as to where your guess is.

What we know is....

- ⇒ If you bring a jar of snow into a room with a temperature above freezing, the snow will begin to melt.

What we DON'T know is...

- ⇒ How much water will be left in the jar.
- ⇒ How can you make a prediction or 'educated guess'?
- ⇒ Look at how much snow we have in our jar. For example, if you can measure your snow level in feet, you will probably end up with more water than if you measure the snow you collected in inches.
- ⇒ Remember that 1 inch of rain is equivalent to 13 inches of snow — that might give us some insight into our water amount.

Reflection questions to discuss when experiment is completed:

1. When the snow completely melts, how much water do you think will be left in the jar?
2. What is an estimation? Explain to your kids that an estimation is an educated guess based on what you know about the experiment (in this case, we knew the snow would melt because we brought it inside where the temperature was warmer than 32 degrees).



Reading Suggestions

If you are interested in reading about snow, here are a few suggestions.

Curious About Snow (Smithsonian) — a fabulous book about all things snow! Kids will enjoy learning about crystallization, the types of snowflakes that form, the science behind snow and more!

The Story of Snow: The Science of Winter's Wonder — this nonfiction book reads more like a story which is perfect for younger kids. Illustrations show the process of water vapor becoming snow crystals and the book includes details about how to catch & observe your own snowflakes too!

The Snowflake: A Water Cycle Story — is also a wonderful book if your kids are learning about the water cycle. The author follows the journey of a single water drop throughout the year showing how it may become part of a cloud, flow into the ocean or turn into a snow crystal.

County Fair

Just a reminder that the 2023 Fayette County Fair is only 6 months away!

Bucket Bottle Calf, Lamb or Meat Goats — please remember the specie must be born February 1 through April 30th of the current year.

Broiler Project — continue to watch the newsletter for more details along with the date you must register by.

If at anytime you have questions about fair, please don't hesitate in reaching out. The goal is to have the Fayette County Fairbook posted to the county website by mid-March.

Program Priorities

Did you know 4-H has five program priority areas? They are healthy living, leadership, STEM, civic engagement, communications and the arts.

In this edition of the newsletter I would like to focus on "Civic Engagement". Civic engagement is the opportunity, right, and responsibility to contribute to shaping the world around you and providing service to others. On the back of this page you will find a valentine color sheet. Please color and share with a loved one. Remember, it's the small things that can put a smile on another person's face.

See the photos below of 4-H and Clover Kids members participating in civic engagement in Fayette County.

Note — some photos are from previous years to show what has been done.

Have ideas of what you would like your Clover Kids club to do for civic engagement? Let your club leader know!



Harlan Fremont and Dynamite Clovers paint park equipment in the Maynard Park

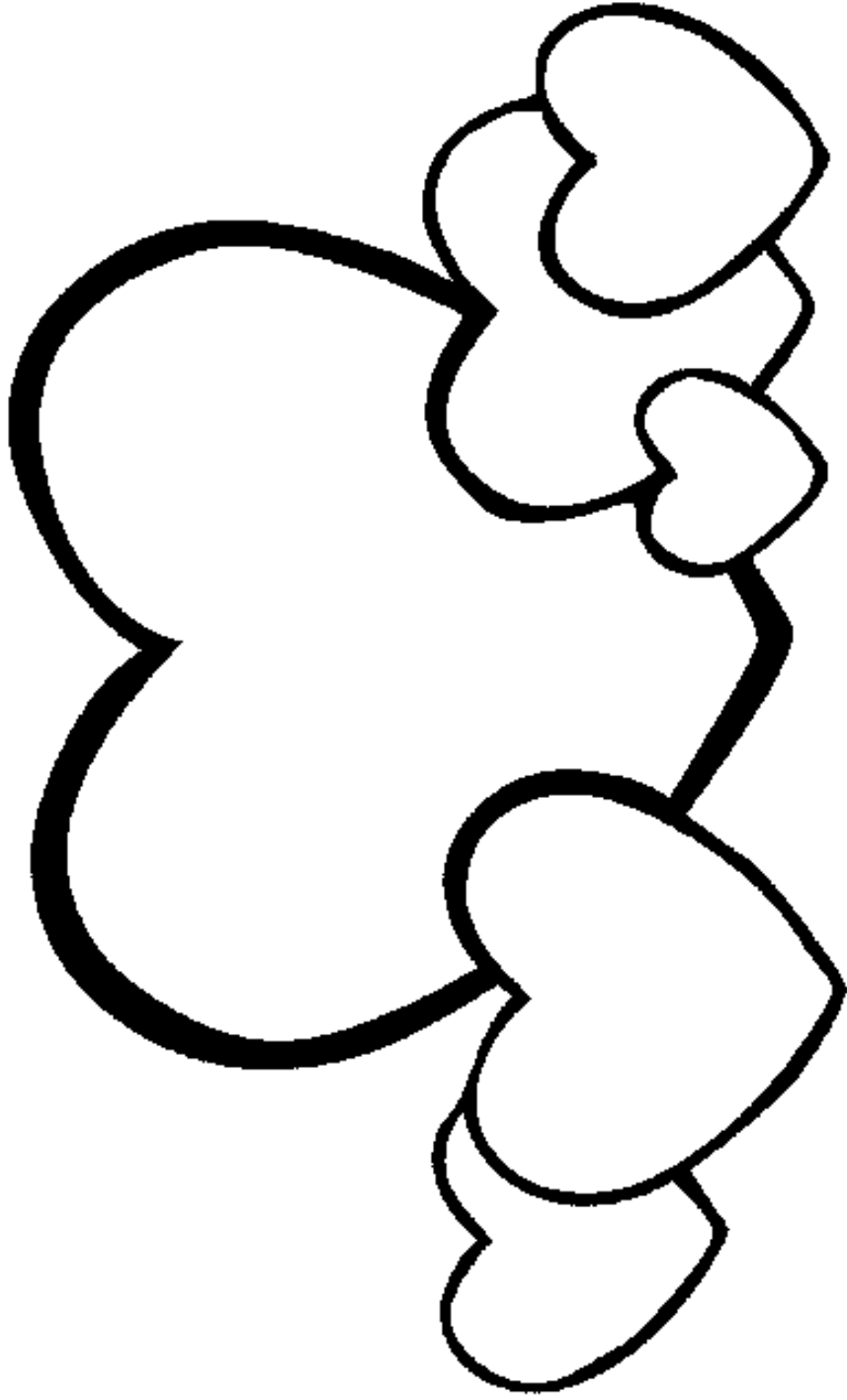


Fayette Firecrackers and Fayette Clovers make pillow cases for Gunderson Palmer Hospital



County Council and 4-H members throughout the county help with trick or treating at Maple Crest





Happy Valentine's Day

