

Up, Up, in the Air

- Students will learn and apply geometry principles as they explore the math and science of flight and bubbles through designing their own kite and making a variety of bubble wands & blowers.
- Limited to five classrooms (1st- 8th grade) during each session offered. Sessions offered: **April 4 – 26, 2022 and May 2 - 20, 2022**
- Program includes: kite building supplies, materials to make bubble brew, wands & blowers, teaching materials & more.
- Value \$100.00.



Real Money, Real World

- Help youth develop money management skills and better understand the financial world they live in.
- Students learn about spending, saving, budgeting, credit, career and educational choices and earning power.
- Program includes: four classroom lessons taught by teachers to prepare students for a real world simulation brought to the school by OSU Extension and local businesses giving students a taste of how far a dollar can stretch to meet needs and wants.
- Program is targeted for middle and high school students and meets the personal financial literacy requirement for high school graduation and supports social studies content standards as well.
- To schedule, contact tutt.19@osu.edu



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QUESTIONS

Contact 4-H Staff

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CFAES provides research and related educational programs to clientele on a non-discriminatory basis. For more information: <http://go.osu.edu/cfaesdiversity>
OSU Extension, Clark County, 4-H Youth Development educational programs provided with major support from the Clark County Commissioners:
Melanie Flax Wilt, Rick Lohnes, Lowell McGlothlin



THE OHIO STATE UNIVERSITY
EXTENSION



CFAES

COLLEGE of FOOD, AGRICULTURAL and ENVIRONMENTAL SCIENCES

4-H STEM in the Classroom



THE OHIO STATE UNIVERSITY
EXTENSION



CLARK COUNTY
clark.osu.edu

2021-2022 Programs

Who: Teachers & students, K through 8th grade. Programs are available for public and private school classrooms, after-school, latch-key and home school groups.

When: November 2021 through May 2022
Enroll your group or classroom using the on-line survey. Scan the QR Code to take the survey or go to <https://go.osu.edu/2022clarkco4hintheclassroomregistration>



What: Five 4-H programs will be offered to enrich learning experiences of youth in the school or center's classroom through an "all-in-one" science lending kit program.

- ◆ Chick Quest
- ◆ Weather Together
- ◆ Go Plants!
- ◆ Up, Up in the Air

Additional STEM learning available through [STEM Pathways Challenges and Real Money, Real World, Programs.](#)

Cost: \$35.00 per classroom enrollment fee. This fee covers your classroom's enrollment in up to two different programs. Payment required a minimum of two weeks prior to receiving program materials. Make checks payable to: **OSU Extension, Clark Co.** Schools may be invoiced in order to process a Purchase Order.

Benefits:

- Use curriculum based on Ohio Academic Content Standards and Indicators for students in K through 8th grade.
- Engage in hands-on learning experiences to teach scientific inquiry, research, analysis, investigation, exploration and science application.
- Enrich personal science skills through training programs and support materials.

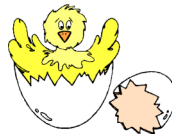
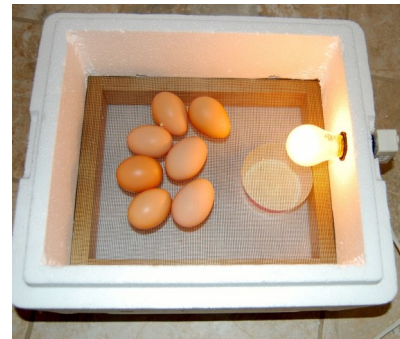
Registration first-come-first-served Programs limited, so register early!

STEM PATHWAYS

Engagement + Problem Solving + Learning



- Connect STEM to real-world problems.
- Help students learn the engineering design process and the scientific method through experiential learning the 4-H way — hands-on, team-centered and FUN!
- For curriculum, training or programming in your classroom or afterschool, contact dillion.26@osu.edu



CHICK QUEST Chicken Embryology

- Bring biology to life by exploring with your students how an egg becomes a chick.
- Students will observe a fertilized egg hatch, while learning about the parts of the egg, its nutritional value, and explore the development of the embryo.
- Limited to 50 classrooms (K through 8th grade) **April 19-May 20, 2022.**
- Program includes: Incubator, 18 fertilized eggs, waterer, chick feed and teaching materials. Hatched chicks given to local farmers and 4-H members to use in their poultry operations.

Bring STEM to Life in Your School!

GO PLANTS!

- A five-week, five-lesson unit teaches a different part of the plant each week.
- Students will have the opportunity to plant, grow and maintain plant material in the plant light houses.
- Limit 6 classrooms (Grades 3rd-8th) each session offered. **Nov. 1, 2021– Dec. 17 2021, Jan. 17, 2022-Feb. 28, 2022, April 4, 2022 - May 13, 2022.**
- Program includes: Grow light house, Wisconsin Fast Plant seeds, soil-less medium, fertilizer, container units, and teaching materials.
- Value of the teaching kit and materials provided for use to the classroom is \$200.



WEATHER TOGETHER

- Engage students in the exploration of weather through active science experiments, tracking of weather patterns, and recording weather conditions with a weather station.
- Limited to four classrooms (3rd-6th grade) per session offered. Sessions offered: **Nov. 1, 2021-December 17, 2021 and January 17, 2022-March 18, 2022.**
- Program includes: weather station (thermometer, barometer, and hydrometer), experiment supplies, posters, teaching materials, etc.
- Value \$200.00.



**Programs Supported By:
Clark County Commissioners
Clark Co. 4-H Advisory Committee**