



YOUTH STEM CONTEST RULES

Superintendent: Elaine Giles

Online entries open November 6, 2023 and close at midnight March 15, 2024. No paper entries.

CONTEST: Friday, April 12, 2024 | 1:00 PM – 3:00 PM

CHECK IN: 12:30 PM | **LOCATION:** North Parking Lot – Storage Building

ELIGIBILITY:

- To enter the contest, youth teams must consist of three (3) four (4) members in the same age range as well as an adult coach to help the team in preparing for the competition.
- There can only be four teams per age division with a max of 16 teams. If an age division has less teams, than more teams in a separate age division may be added on by the discretion of the superintendent. Only youth are allowed to participate in the competition. Adult coaches can help youth teams prepare for the competition in advance.
- Pee Wee & Junior Teams may have the assistance of their adult coach in helping with set-up and use of tools. Intermediate and Senior teams should work independently in the design and building of their Ferris Wheel.
- Adult coaches of Intermediate and Senior teams, parents, siblings, and fair-goers are not allowed in the competition area. However, they can be in the observation area during the competition.

DIVISIONS: ages as of September 1, 2023

- Pee Wee (5-7)
- Juniors (8-10)
- Intermediate (11-13)
- Senior (14-18)

SPECIFIC SHOW RULES:

- The 2024 theme is to engineer a Ferris wheel. Youth will apply science and engineering concepts to build a Ferris Wheel out of the supplies provided at the event.
- A STEM Challenge Study Guide and preparation activities are available for teams to use to practice. It is strongly encouraged teams reference the study guide and participate in the STEM Challenge Fair Workshop on Saturday, March 2. Please contact Clay County 4-H at clay4h@ifas.ufl.edu for access to the study guide materials and to RSVP for the STEM Challenge Fair Workshop.
- Each age division will be given a supply kit the day of the competition. No outside materials are permitted for use in the competition.
- In addition to designing a Ferris Wheel, youth teams will need to be prepared to give a short presentation about their design to the panel of judges. Teams will demonstrate their Ferris Wheel in front of the judges and answer their questions about teamwork and the engineering process. Teams will be judged on teamwork, creativity, innovation, communication, and professionalism.
- Teams may choose to have 3-4 members, but the premium amount will stay the same regardless of how many youth members are on the team.

AWARDS (Pee Wee, Junior, Intermediate, & Senior Teams):

All premium award money will be forfeited if not collected by the end of the Fair.

Team Placing Awards

1 st Place	\$60	Rosette – each team member (4)
2 nd Place	\$36	Rosette – each team member (4)
3 rd Place	\$24	Rosette – each team member (4)

Any STEM Challenge Contest designs that are not claimed during the designated removal time will be disposed of. The Fair Association, Show Superintendent, and/or Extension service will not be responsible in case of accident or loss of Ferris Wheel design.