

# 2023 Clay County Agricultural Fair Youth STEM Contest Rules

**SUPERINTENDENT: ELAINE GILES**

Entries will be on-line only and can be found at [www.claycountyfair.org](http://www.claycountyfair.org)

**Cutoff for Entries is March 17, 2023**

**Fair Office Phone: 904-284-1615**

## **DATE OF CONTEST:**

Friday, March 31 at 11:00 AM

## **REGISTRATION:**

Friday, March 31 at 10:00 – 10:50 AM

## **LOCATION:**

Cattleman's Arena

Please contact the fair office @ 904-284-1615 if you have any questions.

## **STEM Challenge**

The 2023 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.

## **RULES & REGULATIONS:**

1. To enter the contest, youth teams must consist of four (4) members in the same age range as well as an adult coach to help the team in preparing for the competition. The age ranges are as followed:

- Pee Wee & Juniors (This team must have at least one Pee Wee age member 5-7 and a junior member 8-10).
- Juniors (Ages 8-10)
- Intermediates (Ages 11-13)
- Seniors (Ages 14-18)

2. There can only be four teams per age division. Only youth are allowed to participate in the competition. Adult coaches can help youth teams prepare for the competition in advance.

3. 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.
4. 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.
5. 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 Sunday, February 26, 2023. Please contact Clay County 4-H at [clay4h@ifas.ufl.edu](mailto:clay4h@ifas.ufl.edu) for access to the study guide materials and to RSVP for the STEM Challenge Fair Workshop.
5. Each age division will be given a supply kit the day of the competition. No outside materials are permitted for use in the competition.
6. 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.
7. The first-place designs will be brought over to the Home Arts area for display for the remainder of the fair.

**Removal Time from Cattleman's Arena  
Friday, March 31 at immediately after awards are presented.**

Removal Time for First Place Finishers from Home Arts  
Monday, April 10, 2023                      2:00 PM – 7:00 PM  
Tuesday, April 11, 2023                      9:00 AM – 12:00 PM

**Awards (Pee Wee & Junior Combined Team, Junior, Intermediate, & Senior)**

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

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.

**Team Placing Cash Awards (Teams must be 4 people)**

1<sup>st</sup> Place Team \$60.00 Premium and Rosette  
2<sup>nd</sup> Place Team \$40.00 Premium and Rosette  
3<sup>rd</sup> Place Team \$20 Premium and Rosette