



Delano Union School District

Rosalina C. Rivera, Superintendent
Rosa A. Montes, Asst. Superintendent of Ed. Services



District STEAM Olympiad

To Principals, Vice Principals, Resource Teachers, and 4th-8th Grade STEAM Olympiad Coaches:

The Delano Union School District STEAM Olympiad for 4th-8th grade students will be held on **Thursday, March 13, 2025** at Pioneer School. Check-in begins at 1:45 p.m. and the competition starts at 2:30 p.m. The awards ceremony will begin once the events have ended and the winners have been determined. We expect to finish by 5:30 p.m.

Medals will be awarded for 1st, 2nd, and 3rd place in each event. The top performing school (Elementary & Middle) will be awarded the perpetual trophy to put on display at the school for one year.

Please make sure students are taken to the Pioneer School gym upon arrival and are chaperoned at all times. Pioneer students will still be vacating the campus as competitors arrive.

Coaches may delete students and make substitutions during the check-in period, but coaches will not be allowed to add students to events that were previously left unfilled. Certificates will be given to the coaches at check-in.

Tests will not be given to the coaches and coaches will not be allowed to supervise students during an event, except for their assistance with the Traditional Relay. At no time is a coach or adult to render any information, strategy, or clue to a competitor that may assist or hinder the outcome of the competition. Doing so will be grounds for automatic disqualification. Students competing in events with time limits will not receive extra time. Test booklets will be collected immediately upon time running out.

The rules for our events are closely aligned to the rules put out by the KCSOS for the 4th-8th grade County STEAM Olympiad. Due to time and venue restrictions, we will make some minor modifications to some of the events, such as the number of participants, the amount of problems, or the time allowed for an event.

Students will be allowed to leave their event room once the competition is complete. They may walk to the designated snack area to claim their cookie and water and wait in the quad area by the gym until the awards ceremony begins.

New this year, we will be adding the art component to our District STEAM Olympiad. All art entries are due to Lea Cantu in Educational Services by Monday, March 3, 2025. Judging will take place prior to competition day. The winning projects will be on display at the District STEAM Olympiad. We will be using the following rules for our district Art Contest:

- Theme: "Our World, Our Future"
- Must include one or more "STEAM" elements in your masterpiece; S-Science, T-Technology, E-Engineering, A-Art, M-Math
- One entry per person
- Student is not required to attend the District STEAM Olympiad on March 13, 2025 to win
- Medals will be awarded for 1st, 2nd, and 3rd place at each grade level
- Open to all students in 4th - 8th grade
- Any medium can be used; crayons, pastels, paint, metal, etc.
- Art can be hand drawn, computer drawn, or a sculpture
- No prefabricated or Lego models will be accepted
- Entries must be labeled with the student's name, grade and school

The following six events run concurrently, so each student may enter only one event:

Rube Goldberg: One team per school – Pioneer may have an elementary team & middle school team. A team of up to 6 students from each school imagines, designs and creates a machine using random items. The machine must pour an 8 oz. Styrofoam cup of water (half-full) into a container placed 4 inches below the bottom of the cup. The team will plan and construct the machine prior to the competition. Teams must bring everything needed for their machine to the competition. For transportation purposes, teams may need to bring the machine in parts and put it back together at the competition. **Again, the machine is to be built ahead of time and reassembled at the competition.** See the rules for more specific parameters and scoring.

Ping Pong Parachute: One team per school – Pioneer may have an elementary & middle school team. A team of up to 4 students from each school designs, builds, and brings up to 3 bottle rockets, 3 ping pong balls and 3 student made parachutes to the tournament. Teams will launch a ping pong ball attached to a parachute to stay aloft for the greatest amount of time.

School Problem Solving: Teams of four students from each grade level cooperate to answer a set of 12 difficult questions. Team members can divide the questions up and answer them separately or work on them together. Answers are placed on one sheet. Fifty minutes are given, but the first team to finish with the highest number of best solutions is declared the winner.

Traditional Relay: Teams of 4 students from each grade level may enter. One at a time, team members run a short distance to get and solve a problem, write the answer on a card, and run back. The first team to submit four correct answers is the winner. If any question is answered incorrectly, each student will run again and check his/her work until the mistake/s have been found. The judges will not indicate which answers are incorrect. The relay race continues until a 1st, 2nd and 3rd place winning team is determined.

Biathlon Games: One participant from each grade level may enter. Participants play Contig and Circle Tic Tac Toe.

Sudoku: One participant from each grade level may enter. Participants are given 60 minutes to work through six levels of puzzles from easiest to hardest. See the rules for more specific information.

Mousetrap Vehicle: One team per school – Pioneer may have an elementary team & middle school team. A team of up to 4 students from each school designs, builds, and tests one vehicle using one or more mousetraps as its sole means of propulsion to reach a target point as directly as possible. See the rules for more specific construction parameters and scoring.

Mancala: One participant from each grade level may enter. An elimination ladder will be used to determine the evolution of play.

Please submit the names of your site coaches on the attached Coach Form by **Thursday, January 16, 2025**. As in the past, **each participating school is required to supply three helpers** (cannot be coaches) who will serve as facilitators, proctors, or test scorers in the competition rooms. Their names must be returned on the attached Volunteer/Facilitator Form by **Thursday, February 27, 2025**. Student Entry Forms must also be submitted by **Thursday, February 27, 2025**.

Forms are available on:

The district website-<https://www.duesd.org/Page/528>

The STEAM Olympiad Google Classroom-

<https://classroom.google.com/c/NTk0ODI2Nzk0ODQx?cjc=dmrq6sh> Class Code-**dmrq6sh**

Thursday, Jan. 16	Coach Form due
Thursday, Feb. 27	Volunteer/Facilitator Form due
Thursday, Feb. 27	Student Entry Forms due
Thursday, Mar. 13	DUSD STEAM Olympiad 1:30 p.m. - Volunteers/Facilitators meet at Pioneer - lunch provided 1:45 p.m. - Check-in begins for students and coaches in the Pioneer Gym 2:30 p.m. - Competition begins 4:30 p.m. - Awards Ceremony begins in the Pioneer Gym

Contact/Questions/Forms to:

Lea Cantu/Ed. Services - lcantu@duesd.org 721-5000 ext. 00109

Mail: 1405 12th Avenue, Delano, CA 93215

Attachments:

1. Coach Form
2. Volunteer/Facilitator Form
3. Student Entry Forms
4. Event Descriptions