



Fourth Annual Student Tech Expo/Contest

Sunday June 2, 2019
Scarsdale High School
10:00 am - 1:00 pm

Goal

The **CSTA Student Tech Expo/Contest** seeks to promote the creativity and development skills of the students in schools districts who are members of the CSTA Lower Hudson Valley Chapter.

The **Expo/Contest** is intended to provide participants with the opportunity to employ and expand their **STEAM (Science, Technology/CS, Engineering, Arts, Mathematics)** knowledge.

Whether your project is simple or perhaps more sophisticated, come be part of the creative experience and put your STEAM skills to the test!!

Expo/Contest Guidelines

1. Entries **must** incorporate digital technology in some capacity or an “unplugged” STEM concept.
2. Final submissions must be in the form of a physical or software product (i.e., software app, physical invention).
3. Entries may be implemented in the team’s platform/media of choice.
4. *Categories could include, but are not limited to:*
 - Mobile app
 - Robotics
 - Engineering
 - Artificial Intelligence (AI)
 - Website / web-based application
 - Virtual reality
 - Physical computing/engineering projects (Arduino, Little Bits, Makey Makey, etc.)
 - Others
 - Digital game
 - Wearable electronics
 - Original invention
 - Solves a real-world problem
 - Cybersecurity-related
 - 3-D Printing

Participation

1. All students (K-12) of CSTA Member districts are eligible to participate.
2. Each entry must be submitted from a single student or a team of no more than 4 students.
3. Teams **MUST** have a teacher sponsor. (While encouraged to attend the Expo, teacher sponsors are not required to do so).
4. Each team should submit a completed ENTRY application form online by going to the [CSTA Lower Hudson Valley Chapter webpage](#).

Awards

- Awards will be given to the winners of each category (Science, Technology/CS, Engineering, Arts, and Math) and age group (K - 6 and 7 - 12) based on: **creativity, originality, complexity, and usability.**
- Participation certificates will be given to each team member.

Timeline

- **Submission** Applications are due **by May 15, 2019.**
- **Presentation** of Projects at Contest Expo on **June 2, 2019**
- Award presentation at conclusion of Expo

Submission

Teams must submit the following in order for their contest entry to be considered complete:

- **All source code and appropriate documentation** (for any programming involved) (submitted online) in addition to the actual completed project for non-software entries.
- **Essay** (no more than two pages, typed) describing the problem the project addresses, how the project relates to the problem and a brief description of the creative process.

Any questions should be directed to:

Greg Leong, Scarsdale High School - gleong@scarsdaleschools.org or

Amy Fox, Valhalla High School - afox@valhallaschools.org