



Department 21 – Computers

ATCP 160.675

REGISTRATION: APRIL 20 – MAY 20, 2024

CHECK-IN & JUDGING: SATURDAY, JULY 13, 2024

JUDGING STYLE: FACE-TO-FACE

Superintendents: Ann Goers, ann.goers@yahoo.com; Danielle Schneider, darschneider20@gmail.com

Computer Rules and Instructions

- a) Read the **General Fair Rules & Instructions** document!!!
- b) Exhibitors must exhibit in their grade division. Limit of 3 entries per exhibitor and no more than 1 entry per lot number.
- c) Work must have been made since the 1st day of the previous fair.
- d) Exhibitors with entries that need to be shown on an electronic device are responsible for providing both...
 - a. A laptop or other viewing device with viewing screen of 7" or greater for the judge to view the exhibit, and
 - b. Some sort of visual portrayal of their entry that can be left on display (i.e. screenshot of programming), along with the entry tag.
- e) Each entry should have a 3"x5" card which describes:
 - a. Exhibitor grade and number of years in project
 - b. Steps taken to complete this exhibit.
 - c. What have you learned or practiced in completing this exhibit?
- f) Posters must be no larger than 14"x22", and displays must be no larger than 28"x40".

CLASS A - Grades 3-6

Premiums: \$ 2.00 \$ 1.75 \$ 1.50 \$ 1.25

Lot

1. Exhibit: Computers and our lives
2. Exhibit: Computers on the job
3. Exhibit: Functions of a keyboard
4. Exhibit: Caring for computers
5. Exhibit: Computer ethics
6. Create a simple application using Scratch
7. Computer-generated letter
8. Computer-generated birthday sign
9. Computer-generated greeting card
10. Computer-generated scrapbook
11. Create an object using a 3D printer
12. Any other generated article

CLASS B – Grades 7-9

Premiums \$ 2.50 \$ 2.25 \$ 2.00 \$ 1.75

Lot

15. Exhibit: Using the Internet for research
16. Exhibit: Computer parts and their functions
17. Exhibit: How to stay safe (private) on social media sites (i.e. Facebook)
18. Create an object using a 3D printer
19. Animation program that could be used in a presentation, using animation software (ex. Adobe Director, Shockwave Studio, Flash and Fireworks or Final Cut Pro).
20. Computer Programming project in any programming language. Poster should contain a flow chart and some code (or pseudocode).
21. Redesign an existing website
22. Database or spreadsheet, with at least 3 reports or graphs generated from the data
23. Design a small game
24. Create a random number generator
25. Repair or upgrade a computer with written explanation
26. Any other computer generated article

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CLASS C – Grades 10 and Up

Premiums: \$3.00 \$2.75 \$2.50 \$2.25

Lot

30. Report – Using the internet to predict the future of technology
31. Exhibit: Spotlight a future computing technology
32. Exhibit: Any other appropriate/relevant topic
33. Exhibit: Crypto Currency - What are some crypto currencies and how do they work?
34. Exhibit: Non-fungible Tokens (NFT) - What are they and the technology behind them?
35. Computer-generated artwork or animation (must be completely original)
36. Build a responsive website with at least 3 pages
37. Build your own social website
38. Build a working chess game
39. Build your own e-commerce store
40. Repair or upgrade a computer with written explanation
41. Any other computer generated article