california water

Revised 6/2023

Purpose and Standards

The California Water event seeks to develop students’ understanding of the importance and history of water usage, storage, and distribution and how it affects California agriculture. As issues related to water in the state become even more complex, it is vital the those entering the agriculture industry have a general understanding of how the federal and state water systems operate, how the history of water issues affect agriculture today.

California Career Technical Education Model Curriculum Standards addressed by this event include:

Academic Standards: English Language Arts: 9-10.3, 9-10.4, 9-10.5, 9-10.7, 11-12.3. History and Geography: 11.6.3. History/Social Science: 12.1.1, 12.1.4. Science: ESS2, ESS3

Anchor Standards: Technology 4.5, Responsibility and Flexibility 7.8, Ethics and Legal Responsibilities 8.2, Technical Knowledge and Skills 10.1.

Agricultural Business Pathway Standards: A2.1, A5.1, A6.1. Agriscience Pathway Standards: C1.5, (C2.1-2.4). Forestry and Natural Resources Pathway Standards: E6.1, 6.4, 6.5. Plant and Soils Science Pathway Standards: (G8.1 – G8.3).

Contestants

* Teams shall consist of three to five members. The scores of the three highest team members shall be used for the team score. All team members are eligible for individual awards.
* To be eligible for the State Contest, a chapter must have participated in a Sectional California Water Issues Contest during the current school year. All teams participating at the sectional contest are eligible to compete at the state contest. Each Sectional contest host school will submit a list of chapters and individuals participating at the sectional contest to state staff.
* Partial teams will be allowed to compete

Classes

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| --- | --- | --- |
| **Class** | **Individual Points** | **Team Points** |
| Written Test | 100 | 300 |

Tie Breaker

* Ties between individuals and teams will be broken by the respective individuals or team scores on the true/false questions.
* If a tie still exists, the score of the individuals or team scores on the multiple-choice questions will be used.

Rules

1. The contest consists of a 100-point written examination, which will be made up of 50 true/false and 50 multiple-choice questions, based on materials listed in the References section below.
2. Contest emphasis is on the subjects of a general knowledge of the following is required:
3. The history/timeline of California water infrastructure development
4. Knowledge of the major California water system components to include watersheds, rivers, San Joaquin/Sacramento Delta, dams, reservoirs, pumping stations, canals, aqueducts, groundwater aquifers
5. Agricultural, urban and environmental water use statistics
6. Government agencies and water districts role in water management
7. State Water Project (SWP) history
8. Central Valley Project (CVP) history
9. Groundwater information
10. A chapter may bring up to 10 individuals to a sectional contest. All participants will be eligible for individual awards. The three highest scoring individuals from a chapter will comprise a team.
11. There is a minimum of two teams required to hold a valid sectional contest.
12. To be eligible for the state contest a team must have participated in a valid sectional marketing contest during the current school year. All teams participating at the sectional contest are eligible to compete at the state contest.
13. In the event a local chapter is the only chapter within a section wishing to participate in the competition and qualify for state finals, that chapter team shall be allowed to participate in a valid sectional contest in another section. The section in which that chapter shall participate shall be determined by the Regional Supervisor of Agricultural Education prior to the section contest.
14. References: The following references will be used to develop question for the test. Only information provided on the pages listed below can be used to generate questions. **Links to separate pages within these pages will not be used unless specifically added to this list**.:
    1. <https://www.watereducation.org/aquapedia/california-water-timeline>
    2. <https://water.ca.gov/Programs/State-Water-Project/SWP-Facilities/History>
    3. <https://www.watereducation.org/aquapedia/california-aqueduct>
    4. <https://www.watereducation.org/aquapedia/dams>
    5. <https://www.watereducation.org/aquapedia/sacramento-river>
    6. <https://www.watereducation.org/aquapedia/sacramento-san-joaquin-delta>
    7. <https://www.watereducation.org/aquapedia/delta-mendota-canal>
    8. <https://water.ca.gov/Programs/State-Water-Project>

* Operations
* Environmental Roles
* Management
  + 1. <https://water.ca.gov/Programs/State-Water-Project/SWP-Facilities>

a. California Aqueduct

b. Dams/Reservoirs

- Oroville

<https://water.ca.gov/Programs/State-Water-Project/SWP-Facilities/Oroville>

-San Luis

<https://water.ca.gov/Programs/State-Water-Project/SWP-Facilities/San-Luis>

c. Pumping Plants

- Edmonston Pumping Plant

- Harvey O. Banks Pumping Plant

J. Central Valley Project

1. <https://www.usbr.gov/mp/mpr-news/docs/factsheets/cvp.pdf>

2. <https://www.usbr.gov/projects/index.php?id=506>

a. General

b. History

c. Plan

K. <https://www.watereducation.org/aquapedia/aquifers>