San Ramon Valley Science Olympiad

2024 - 2025

What is Science Olympiad?

- Science Olympiad is a large team event designed to explore the scientific field of education.
- Elementary Science Olympiad combines both knowledge based science and hands-on science in a competition format.
- Multiple teams will be broken up to work on their specific events.
- The events will surround scientific processes, knowledge, and application.

Our Team

Board of Directors: Alagu Subramanian

Executive Sector: Sundar Subramanian, Arush Jain, Vedanth Dala

Build Events Committee: Neha Subramani, Harshidh Ramkumar, Srivatsa Yanamandra

Theory Events Committee: Supreetha Jammalamadaka, Aashi Mehta, Sophia Jacob

Instant Challenge Committee: Chhavi Bidhuri, Rishab Guntuku, Jaden Wu

2023 - 2024 SRVSO Teams - 35 total

Bella Vista: 6

Bollinger Canyon: 6

Coyote Creek: 5

Golden View: 3

Hidden Hills: 3

Live Oak: 3

Quail Run: 8

Twin Creeks: 1

Why you should join Science Olympiad!

- Science Olympiad rewards students with vital life skills like **organization, leadership, confidence, teamwork and much more**.
- Science Olympiad prepares the young generation for success in future years of middle school, high school, and beyond.
- Work as a team to be rewarded for the pursuit in scientific achievement.
- Learn science in a fun and creative way
- Learn to operate in a competitive environment
- Become self-motivated and inspired to explore various fields of science


EXIT
ONLY


RETURNING NEXT YEAR? STAY IN TOUCH!
Website: https://srvso.org
Email: srvso2020@gmail.com
San Ramon Valley
SCIENCE OLYMPIAD

How Can I Join the SRVSO Family?

1. Attend one information session.
2. Form a team of 6 students from the same school. (4th and 5th graders).
3. Choose a team Coach.
4. Register for the Olympiad (team/participant fee).
5. Prepare for your events.
6. Have fun!

Competition Format

Elementary Science Olympiad consists of 7 events:

- 3 Theory Events (2 members per event)
- 3 Build Events (2 member per event)
- 1 Instant Challenge (All 6 members will participate)

Competition Date: Will take place during a weekend in mid-late March (TBA).

Theory Events

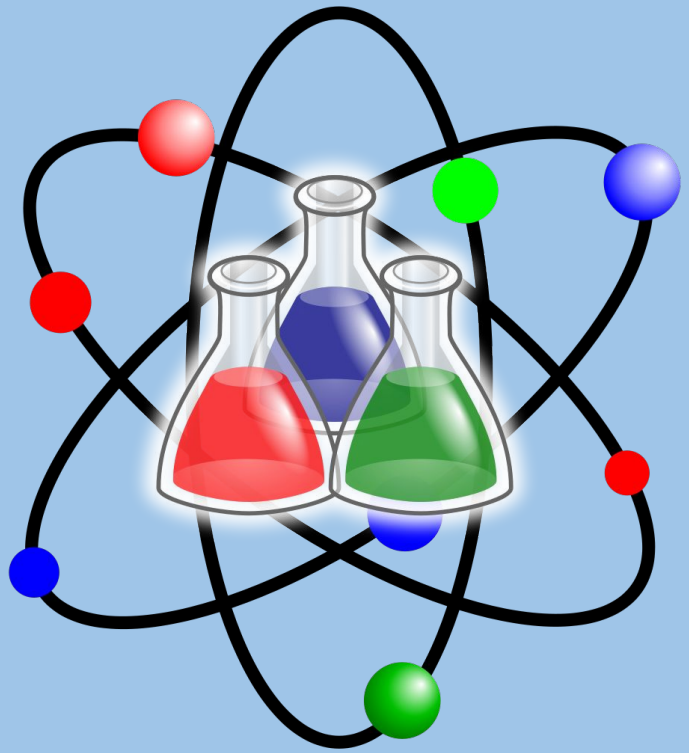
- Theory events can be thought of as a test of knowledge in a specific subject.
- Teams prepare for the event by studying the content for months prior to competition day.
- Theory events also test critical-thinking skills relevant to the given subject.

2024-2025 Theory Events

Starry, Starry Nights

The Molecular Mix

A is for Anatomy

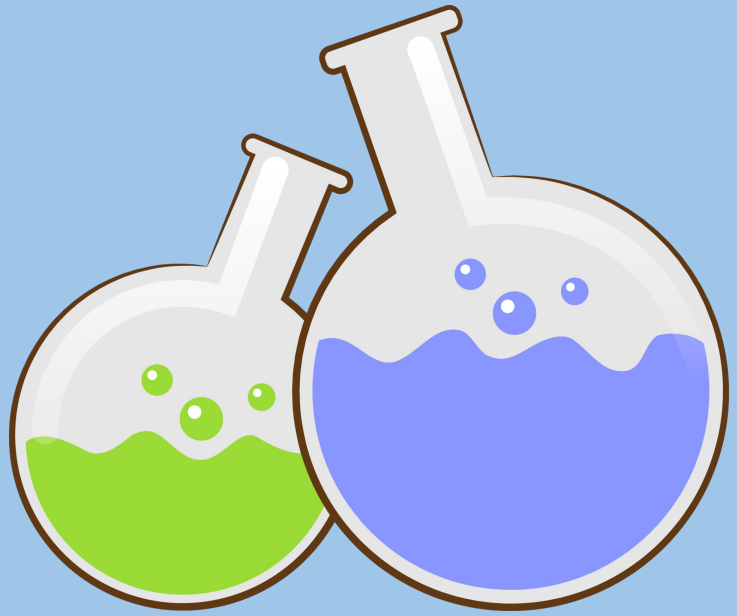


Theory Event: Starry, Starry Nights

Students will be tested on their knowledge of space through various questions. They will be assessed on concepts such as the Solar System, the Big Bang Theory, Moon Phases, Astronomical Instruments, and Space Phenomena.

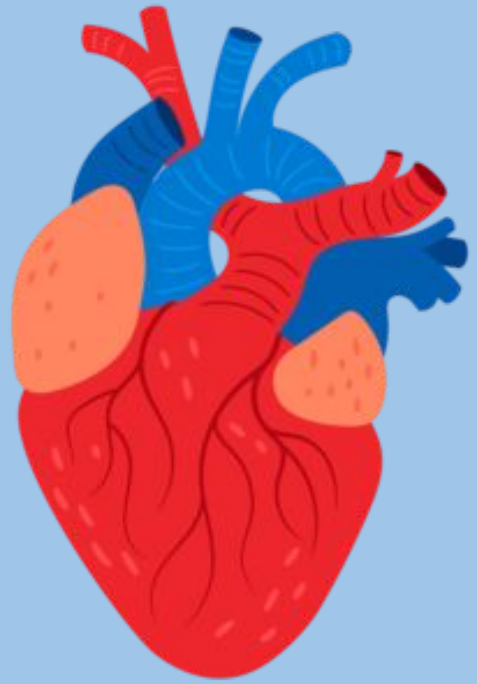
Theory Event: The Molecular Mix

Students will be tested on their ability to identify the aspects and ideas of chemistry. They will be tested on how well they know and understand the different subtopics like the atomic structure, mixtures, and phases.



Theory Event: A is for Anatomy

Students will be tested on the basics of anatomy, whether it is identifying different parts of the human anatomy, understanding how a certain organ system may work, and/or expressing their knowledge of how one part of the anatomy affects another.



Build Events

Students will build contraptions and objects under guidelines to serve specific purposes. (Impound rules included).

Teams will prepare for the event by building prototypes and tweaking the project to create the best performing final product

The final product is then tested under the guidelines in front of a judge.

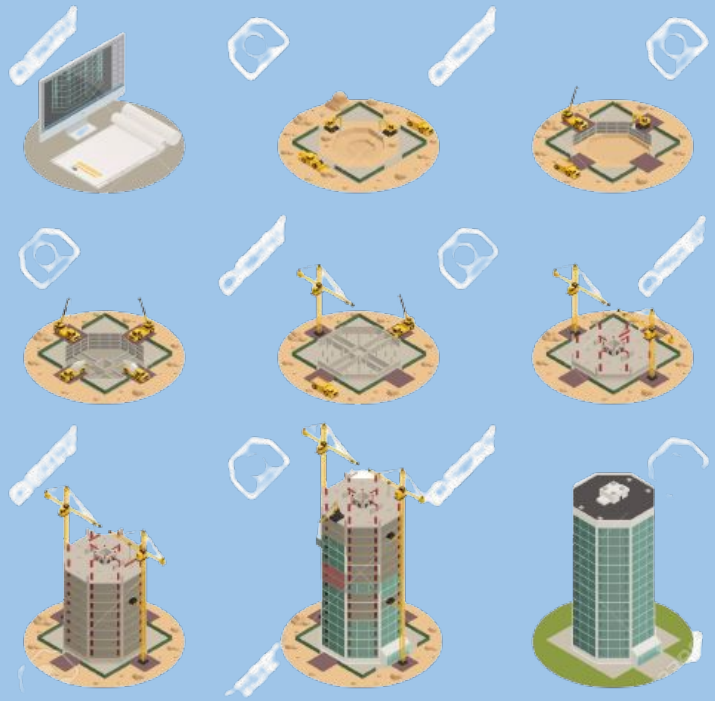
Teams will be required to document their project in the form of a build binder this year.

2024-2025 Build Events

Pastamobile

Propellor Propulsion

Bean Bag Catapult

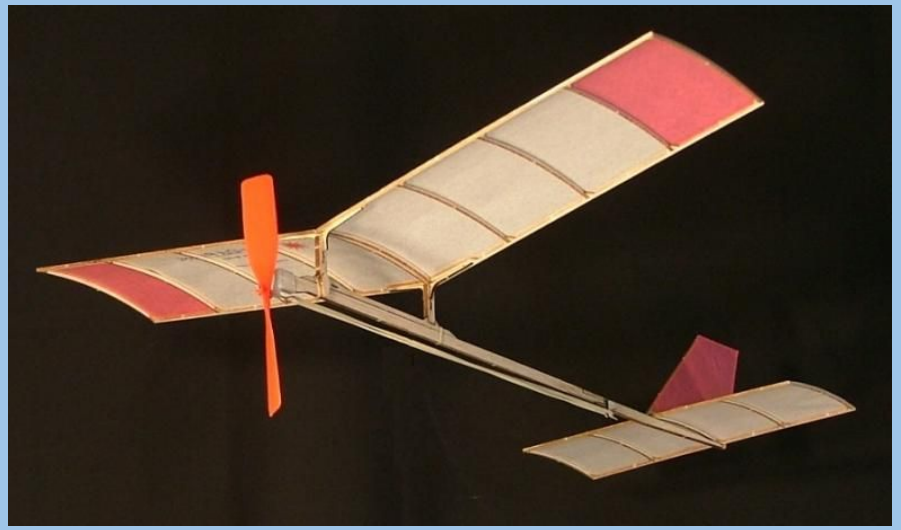


Build Event: Pastamobile

Prior to the event, participants will create a vehicle made entirely of pasta. The contraption will be let down a ramp and judged by distance traveled and structural integrity at the end of the run.

Build Event: Propellor Propulsion

Participants will construct a plane composed of mainly wooden materials, powered by a rubber band propeller. The plane will be gently thrown forward and judged based on hang time, distance traveled, structural integrity and ability to stay within the track boundaries.



Build Event: Bean Bag Catapult

Participants will design, build, and test a contraption that uses stored energy (springs/rubber bands) as its sole mean of force prior to the event date. The goal of the contraption is to launch a bean bag as close as possible to a specified target.

Instant Challenge

The instant challenge is a rapid-fire event in which teams must brainstorm ideas for completing their given task under a very strict time limit. After only a few minutes, they must present their idea to a judging panel! The team's solution to the task and their presentation will both be graded based on various criteria. The instant challenge details will be released on the day of the olympiad.

Registration: Next Steps

1. Form a team of 6 students (4th and 5th graders from the same school).
2. Select a team parent to be the coach.
3. Coach will pay a teamwide fee of $180.
4. Coach must fill in a REGISTRATION google form (will be uploaded on the website & emailed to all attendees) with the following info:
   - Names of 6 students
   - Grade level of 6 students
   - School Name
   - Coach Name, Email, and Phone Number
   - Payment Confirmation
5. Coach will receive confirmation email (3-5 days after submitting).

Registration Opens:

Monday, October 21st, 2024

SIGN UP AS SOON AS POSSIBLE!

Deadline To Register:

November 11th, 2024

11:59 PM

Team Formation Advice

- Reach out to your students' peers/other friends at your school to see if they are interested in participating
  - Fourth and Fifth graders participate in the Science Olympiad!

- Fill out the SRVSO Information Release form
  - Sent out through email after tonight's meeting
  - If filled out, your contact information will be added to a viewable google sheet where you can find others looking for a team, and they can find you!

Event Day

Tentative Event Day Near Mid- to Late-March

SCAN ME TO ACCESS TODAY'S SLIDESHOW (or type link below)

https://tinyurl.com/srvsoInfoNight25

Any Questions?

Contact us:

srvso2020@gmail.com

srvso.org