



Exploring the World of Science

Carmel Valley Science Olympiad Informational Meeting Thursday, October 1, 2009

WELCOME

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Welcome to the Carmel Valley Science Olympiad Program Informational meeting. The program is sponsored by the Carmel Valley PTSA and supported entirely through volunteer efforts.

Carmel Valley Middle School has had great success in past competitions due to efforts of our parent coaches and volunteers as well as assistance from community businesses. This year's program will require many coaches and helpers to continue that success.

We would like to extend our personal thanks for past support as well as our invitation to new and returning parents to assist in this year's program.

MEETING AGENDA

- I. Welcome and Introductions
- II. Science Olympiad Program Overview
- III. Important Information for Participants and Parents
- IV. 2009 - 2010 Science Olympiad Event Descriptions
- V. Registration Procedure

PROGRAM DATES

- OCT 1, 2009** Informational Meeting
- OCT 1, 2009** Applications available online at CVMS website
<http://www.cvmsolympiad.com>
- OCT 6, 2009** First day applications can be turned in & time stamped at Attendance Window
- OCT 9, 2009** Application Deadline – last turn in day
- OCT 14, 2009** First Coaches Meeting
6:30-8:00 pm CVMS Media Center
- Late October 2009** First Student Lunch Meeting
Fridays at lunch (location TBD)
- NOV 14, 2009** Science Olympiad Program Workshop
2:30 PM – 4:00 pm at Del Norte HS
- DEC 2009** Second Coaches Meeting
- JAN 2010** Third Coaches Meeting
- FEB 6, 2010** Regional Competition
ALL CV TEAMS ATTENDANCE
REQUIRED at RBHS
- APRIL 2010** State Competition
CV State Team attendance required

Carmel Valley Science Olympiad Program

Expectations for Student Participation

1 STUDENTS MUST REGISTER FOR THE EVENTS THEY WISH TO PARTICIPATE IN.

- Students should register for 3 or 4 events. A competitive team must fill all the event positions, and to fill the events each team member must participate in at least 3 and some team members must compete in 4.
- Students must list 8 to 12 event choices. Coordinators will do their best to assign listed choices, however events will also be assigned according to other factors including **schedule parameters and team composition**. Students are not guaranteed their choices. Students choosing to participate in 4 events will have some advantage in getting their chosen events. If a parent coaches an event, the student is assigned to that event, unless they request otherwise. Students with a parent who coaches or serves on the committee receive a small advantage in event assignments. If students are placed in 3 events, only 1 can be a building device. If students are placed in 4 events, 2 may be building events.
- All forms must be downloaded and completed by the students and parents.
- The Regional Competition has set a maximum of 90 students per school. In the unlikely event that we receive more than 90 applications, the first 90 applicants to turn in their application at the school office will be accepted for the team.

2 STUDENTS ARE EXPECTED TO 'DO THE WORK'.

- Students must attend all event meetings and student lunch meetings. **If they can't make an event meeting, they must notify the Coach IN ADVANCE by email or phone with the reason for the absence.**
- Coaches, parents, etc. may offer advice or assist with potentially dangerous tasks (e.g., cutting with a power saw), but they may not build the devices.
- **Parents and students are responsible for the additional cost of all materials used in device construction in the building events.**

3 STUDENTS ARE COMMITTED TO COMPETE IN THE REGIONAL COMPETITION ON SATURDAY, FEBRUARY 6, 2010 AND BE IN ATTENDANCE ALL DAY BEGINNING AT 6:00 AM.

- It is mandatory that students as well as their **parent(s)** attend the competition on February 6, 2010 all day beginning at 6:00 am at Rancho Bernardo High School. There are no exceptions to this rule.

4 THREE UNEXCUSED ABSENCES AT ANY MEETING AND STUDENTS SHOULD EXPECT TO RELINQUISH THEIR SPOT FOR STUDENTS ON THE WAITING LIST.

Carmel Valley Science Olympiad

Teams, Meetings, and Competitions

TEAM AND EVENT ASSIGNMENTS

Each Science Olympiad team is comprised of a maximum of 15 students. Students will be assigned to teams / events initially based on their preferences and overall team balance. This year there are five device building events and eighteen academic events. In order for each team to cover all 23 events, students should participate in at least 3 events.

STUDENT LUNCH MEETINGS

The Science Olympiad Committee runs lunch meetings for the students. The meetings are held approximately once per month on Fridays at lunch time (location – TBD). The first meeting will be held in late-October. The meetings are used to pass out general information, to check student progress, to address any questions or concerns that the students may have, and to share information with other student participants.

All student participants are expected to attend in order to stay informed and prepared for the Science Olympiad competition.

Students should sign in when they arrive to record attendance.

STUDENT/COACH MEETINGS

The coaches will schedule the event meetings per the master schedule provided by the coordinators. The student should plan on attending one full hour each week per event, with building events requiring potentially more time per week. SCIENCE OLYMPIAD IS A TEAM COMMITMENT. The National Science Olympiad program describes our focus: "All events require TEAMWORK, GROUP PLANNING, AND COOPERATION. The emphasis is on learning, participation, interaction, having fun, and developing team spirit." The meetings are used to coach students in the events, collaborate between team members, practice academic event competitions, construct and test devices. Study materials that have been distributed to a student *must be returned* to the coach after the Science Olympiad competition, otherwise students are financially responsible for replacement of the materials. Students are responsible for expenses incurred in building events.

REGIONAL COMPETITION

This is an **all day competition**. Students will need to arrive early for sign-in, preparation, and early set-up. Schedules, maps, and other information will be distributed before the competition. Parent volunteers assist at team headquarters, monitor events, and escort students to event competitions. It is mandatory that **at least one parent be at the competition with each student all day**.

EXPLANATION OF POINT SYSTEM

There is an exciting awards ceremony at the end of the day with overall place recognition awarded to schools as well as to team members by event. Schools that qualify to advance up to the State Competition may send one team of 15 students to represent their school at the State Competition in April. The State Team is selected by a point system as follows. Points are awarded for each place won by the student in the Regional Competition (ie. 16 points for 1st place, 15 points for 2nd place and so on). Points are calculated for the top three events done by the student. In the event of a tie breaker, students may be selected by the events that they competed in if that serves the best interest of the team composition. The top ten students are selected for the State Team by points. The remaining five team members are selected by a combination of factors including points, seniority, as well as by events that best meet the needs of the team. Students on the State Team must commit to continue preparing at a more advanced level.

CARMEL VALLEY SCIENCE OLYMPIAD PROGRAM

2009 – 2010 Science Olympiad Middle School Events.

<http://www.sandiegoso.org/divb.html>

*: new events

1. **Anatomy:** Teams will be tested on their knowledge of anatomy and health concepts including skeletal and muscular systems.
2. ***Battery Buggy:** Teams will construct a vehicle that uses electrical energy as its sole means of propulsion, quickly travels a specified distance, and stops as close as possible to the center of the finish line.
3. **Bio-Process Lab:** Teams will demonstrate biology laboratory skills related to selected topics.
4. ***Can't Judge a Powder:** Students will test and characterize one pure substance and then, based only on data they collect, answer a series of questions about that substance.
5. **Compute This:** Teams will be presented with a problem which requires quantitative data capture from the Internet and the presentation of data in a graphical format..
6. **Disease Detectives:** This event requires students to apply principles of epidemiology to a published report of a real-life health situation or problem.
7. **Dynamic Planet:** Teams will work at stations that display a variety of earth science materials and related earth science questions. (earthquakes/volcanoes).
8. **Ecology:** Students will answer questions involving content knowledge and process skills in the area of ecology and adaptation by examining different ecosystems. (North American).
9. **Elevated Bridge:** Teams will design, build & test the lightest bridge to carry a maximum load.
10. **Experimental Design:** Given a set of unknown objects, teams will design, conduct, analyze and write-up an experiment.
11. **Fossils:** Students will identify, describe, and classify various specimens.
12. ***Junkyard Challenge:** Students will partially pre-construct a device with final construction and adaptation onsite to complete a published challenge.
13. **Meteorology:** This event involves the use of process skills as applied to meteorology (everyday weather).
14. ***Ornithology:** This event will test knowledge of North American birds on the official list.
15. **Pentathlon:** Teams will compete in an academic pentathlon to demonstrate their overall understanding of five major science content areas.
16. **Physical Science Lab:** Teams will demonstrate physics laboratory skills related to selected topics including wind power and alternative energy. Teams will build a blade assembly used to capture wind power and generate voltage.
17. **Road Scholar:** Requires the accurate interpretation and understanding of various map features using a variety of road and topographic maps.
18. **Science Crime Busters:** Teams will identify the perpetrators of a crime or crimes by using paper chromatography and analysis of unknown solids, liquids, and plastics found at the scene of a crime.
19. ***Shock Value:** Students will compete in activities involving basic understanding of electricity, magnetism and simple electrical devices.
20. ***Solar System:** Teams will demonstrate knowledge of the Sun, planets and their satellites, dwarf planets, comets, asteroids, the asteroid belt, meteoroids, Oort Cloud and the Kuiper Belt.
21. **Trajectory:** Teams will design, construct, calibrate and operate a device capable of launching a projectile into a target using energy provided by nonmetallic elastic solids.
22. **Wright Stuff:** Teams will design and build a propeller propelled aerodynamic device for greatest time aloft.
23. **Write It Do It:** A technical writing exercise where students write a description of a contraption and other students will attempt to recreate it using only the written description.

Carmel Valley Science Olympiad Program

Registration Procedure

SUBMIT APPLICATION AT THE ATTENDANCE OFFICE WINDOW AND HAVE IT TIME STAMPED TUESDAY OCTOBER 6, 2009. APPLICATIONS WILL NOT BE ACCEPTED PRIOR TO THAT DATE.

PLEASE CAREFULLY READ ALL OF THE PAGES OF THIS APPLICATION, GO TO THE NATIONAL WEBSITE: [HTTP://WWW.SOINC.ORG/](http://www.soinc.org/) TO READ ABOUT THE EVENTS YOU MAY BE INTERESTED IN AND THE EVENT YOUR PARENT WOULD CONSIDER COACHING.

PLEASE SUBMIT THE FOLLOWING :(PAGES 6-11)

1. Science Olympiad Registration Forms
2. Science Olympiad Student Availability Sheet
3. Science Olympiad Parent Coach Form (if you would like to coach an event or events)
4. Science Olympiad Code of Ethics/ Parent or Guardian Permission Form
5. Science Olympiad Tax Deductible Contribution of at least \$125- checks should be made payable to:

CVMS PTSA. Please write students name and Science Olympiad on the memo line.

Need based scholarships available.

The contribution covers costs of the program including: books, instructional materials, copying and printing, registration fees, warehouse storage rental, competition t-shirts, awards, food & beverage, and office supplies.

APPLICATIONS and CHECKS MUST BE TURNED IN AT THE ATTENDANCE OFFICE WINDOW

BEGINNING TUESDAY, OCTOBER 6, 2009

PLEASE MAKE SURE THAT THE DATE AND TIME ARE STAMPED ON THE APPLICATION.

STUDENTS WILL NOT BE REGISTERED UNTIL ALL THE ABOVE ITEMS ARE RECEIVED. INCOMPLETE FORMS WILL BE RETURNED FOR COMPLETION.

DEADLINE TO TURN IN APPLICATIONS IS FRIDAY, OCTOBER 9, 2009.

Carmel Valley Science Olympiad Registration Form
THANK YOU FOR YOUR INTEREST IN THE SCIENCE OLYMPIAD PROGRAM
PLEASE COMPLETE THIS FORM AND TURN IN WITH YOUR CHECK

PLEASE TURN IN AT ATTENDANCE OFFICE WINDOW AND HAVE IT TIME STAMPED

Please write legibly (PRINT) and in ink

Student Name		Grade
Address		
Gender <input type="checkbox"/> Male <input type="checkbox"/> Female		
home ()	Adult t-shirt - circle size	Email (please PRINT)
cell ()	S M L XL	

Please check the primary point of contact.

<input type="checkbox"/> Father / Guardian Name	Occupation
Address	
Home TEL ()	Work TEL ()
CELL ()	Email (please PRINT)

<input type="checkbox"/> Mother / Guardian Name	Occupation
Address	
Home TEL ()	Work TEL ()
CELL ()	Email (please PRINT)

Emergency Contact Name	
Address	
Home TEL ()	Work TEL ()
Cell Phone ()	

Doctor's Name	
Address	
TEL ()	After Hours TEL ()
Allergies	

CARMEL VALLEY SCIENCE OLYMPIAD

STUDENT AVAILABILITY SHEET

Student Name _____ **Grade** _____

Students, please circle the times that you are available on the following days.

Typical work sessions are 60 minutes for non-building events and 90 minutes for building events.

MONDAY	AfterSchool	WeekDayEve
TUESDAY	AfterSchool	WeekDayEve
WEDNESDAY	AfterSchool	WeekDayEve
THURSDAY	AfterSchool	WeekDayEve
FRIDAY	AfterSchool	WeekDayEve
SATURDAY	Morning AfterLunch MidAfternoon LateAfternoon WeekendEve	
SUNDAY	Morning AfterLunch MidAfternoon LateAfternoon WeekendEve	

Approximate hours for the time slots are

AfterSchool 4-5:30pm WeekDayEve 6:30-9:00pm

Morning 9-11:30am AfterLunch 12:30-2pm MidAfternoon 2-4pm

LateAfternoon 4-6pm WeekendEve 7-9pm

Carmel Valley Science Olympiad

Registration Form, Continued

Student Name _____ **Grade** _____

Please list all previous Science Olympiad experience:

I would like to be considered for the following events. (Provide a minimum of 8 prioritized event choices.)

1
2
3
4
5
6
7
8
9
10
11
12

I will participate in [**3** **4**] events on the day of the competition. (Circle one)

If you are signing up for 3 events, at most 1 will be a building event. You may participate in 2 building events only if you are competing in 4 events.

I have read this packet and understand the rules for student participation in Science Olympiad and I would like to participate in the program and support our Carmel Valley team(s) in the competitions. I accept the responsibility of attending the lunch and event meetings.

Student Signature

Date

I have read this packet and support and understand the expectations and rules for student participation in Science Olympiad and I commit to supporting my child in the program.

Parent or Guardian Signature

Date

Coach Name _____

Student Name _____ Grade _____

Carmel Valley Science Olympiad Program

VOLUNTEERS MAKE SCIENCE OLYMPIAD A SUCCESS!

Individual Event Coach for (write in events in order of preference)

1 _____

2 _____

3 _____

4 _____

You will be assigned to coach one event. We will try our best to accommodate your top preference but schedule clashes may require us to go down the list.

Please indicate if you have coached before and if so, which event:

Signature	Date
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CARMEL VALLEY SCIENCE OLYMPIAD COACH AVAILABILITY SHEET

Please circle the times that you are available on the following days. Typical coaching sessions are 60 minutes for non-building events and 90 minutes for building events.

MONDAY **AfterSchool** **WeekDayEve**

TUESDAY **AfterSchool** **WeekDayEve**

WEDNESDAY **AfterSchool** **WeekDayEve**

THURSDAY **AfterSchool** **WeekDayEve**

FRIDAY **AfterSchool** **WeekDayEve**

SATURDAY **Morning** **AfterLunch** **MidAfternoon**
 LateAfternoon **WeekendEve**

SUNDAY **Morning** **AfterLunch** **MidAfternoon**
 LateAfternoon **WeekendEve**

Approximate hours for the time slots are

AfterSchool 4-5:30pm WeekDayEve 6:30-9:00pm

Morning 9-11:30am AfterLunch 12:30-2pm MidAfternoon 2-4pm

LateAfternoon 4-6pm WeekendEve 7-9pm

Student Name _____ **Grade** _____

Science Olympiad Organization Code of Ethics

Student participants are expected to compete in tournament events with an honest effort to follow the rules and the spirit of the competition. The goal of competition is to give one's best effort while displaying honesty, integrity, and sportsmanship. Students, coaches, parents and guests are expected to display courtesy and respect toward Olympiad officials, other teams, and guests of the Olympiad. Failure to show honesty and/or courtesy by a participant, coach, or guest of the team may result in the disqualification of the team from that event, the entire tournament or future tournaments.

I pledge to put forth my best effort in the Science Olympiad and to uphold the principles of honest competition.

Student Name (Print)

Signature

Date

I pledge to support my child in upholding the Science Olympiad Code of Ethics and to personally uphold the principles contained therein for parents.

Parent or Guardian Name (Print)

Signature

Date

Carmel Valley Science Olympiad Parent or Guardian Permission Form

I give my permission for _____ (student's name) to participate in the Carmel Valley Science Olympiad Program.

I understand that I am responsible for all transportation for my child to and from team event meetings, workshops, field trips, and competition(s). I also understand that I am responsible for the cost of materials used in device construction. I agree to be responsible for any damage done, accidentally or purposefully, during preparation for or at the competition in the Science Olympiad Program by my child. If some damages are incurred, I understand that a bill will be sent to me for payment. I give my permission for representatives of the Science Olympiad Program to seek appropriate medical treatment or attention on behalf of my child as may be required by the circumstances, including but not limited to medical doctor and/or hospital visits and the power to authorize medical treatment or medical procedures in an emergency situation. I agree that I have financial responsibility for any necessary medical treatment or attention for my child. I understand that this program is sponsored by the Carmel Valley PTSA and supported entirely through volunteer efforts. I understand that rules have been established for student behavior during preparation for and at the competition during the Science Olympiad Program. I understand that I am responsible for my child at all times during the program. If I am not personally in attendance, I understand that all reasonable and appropriate measures will be taken to ensure the safety and welfare of my child and I agree to not hold representatives of or volunteers for the Science Olympiad Program liable. I AGREE TO BE IN ATTENDANCE THE ENTIRE DAY OF THE COMPETITION WITH MY CHILD.

Carmel Valley Science Olympiad DOES DOES NOT have my permission to use my child's name and/ or picture on the website, in local mass media or publicity releases.

I have read the entire packet pages 1 – 11 and agree with the program requirements.

Parent or Guardian Name (Print)

Signature

Date

NOTES