



Exploring the World of Science

Earl Warren Middle School Information Packet for 2017-2018

SAVE the date: Saturday, February 10, 2018, 7:30AM-7:30PM
Regional Competition

For more information throughout the year:

San Diego Science Olympiad website: <https://scilympiad.com/san-diego-so>

National Science Olympiad website: www.soinc.org

Contact: Christine Arrabit, ewmssso@gmail.com with any questions.

Science Olympiad Mission

Science Olympiad is a national non-profit organization dedicated to improving the quality of K-12 science education, increasing male, female, and minority interest in science, creating a technologically-literate workforce and providing recognition for outstanding achievement.

Science Olympiad Goals

To create a passion for learning science by supporting elementary and secondary Science Olympiad tournaments at building, district, county, state and national levels with an emphasis on teamwork and a commitment to excellence.

To improve the quality of K-12 science education throughout the nation by changing the way science is perceived and the way it is taught (with an emphasis on problem solving and hands-on, minds-on constructivist learning practices). This goal is accomplished through in-depth core curriculum training workshops and the distribution of curriculum materials.

To celebrate and recognize the outstanding achievement of both students and teachers in the areas of science and technology by awarding thousands of certificates, medals, trophies and scholarships.

To promote partnerships among community, businesses, industry, government and education.

Science Olympiad Tournament Goals

To bring science to life, to show how science works, to emphasize problem solving aspects of science and the understanding of science concepts.

To develop teamwork and cooperative learning strategies among students.

To make science education more exciting so more students will enroll in science courses and engage in other science activities like science reading, fairs, meetings and field trips.

To promote high levels of achievement and a commitment to excellence, to demonstrate that American students can perform at levels that surpasses expectations of even practicing scientists and engineers.

To attract more students particularly females and minorities to professional and technical careers in science, technology and science teaching.

Science Olympiad Expectations and Code of Ethics

Students rank the events they wish to participate in. Each team consists of 15 or less students. Most events allow two students to work together as partners. As there are 23 events that each team should cover for full points, students should plan to compete in 3-4 events. We ask students to select several events so we can give them the opportunity to get at least one or two of their choices. Final decisions will be made on events the student will participate in based on requests, past participation, parent coaching and the scheduled times of the events for the day of competition, i.e., students can't compete in two events that are scheduled at the same time.

Students are expected to attend all coaches meetings (TBD for location and time).

If they are unable to make a meeting, notify the coordinator, student coordinator, and/or specific coach in advance. Coaches are devoting significant time and deserve your best efforts.

Code of Ethics:

Student participants are expected to compete in tournament events with honest effort to follow the rules and the spirit of the competition. Team members are expected to be the builders of all the devices used in the events. 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.

Our collective example will promote the spirit of cooperation among all participants. Consider the words of Albert Einstein regarding integrity, "The most important human endeavor is the striving for morality in our actions. Our inner balance and even our very existence depends on it. Only morality in our actions can give beauty and dignity to our lives." Therefore:

1. Teams may not interpret the rules so that they have an unfair advantage over the rules or another team.
2. Unless otherwise stated, it is generally understood that if notes, resources, calculators, actions etc., are not excluded, then they are permitted unless they violate the spirit of the problem.
3. Once teams have entered the event area to compete, they may not a) leave until they are finished, b) nor return once they have left, c) nor communicate with outside resources, including people, places, etc. by any means. This effectively excludes the use of any computer, PDA, calculators, wireless devices, phones, etc. that have access to external communication or data retrieval during an event unless specifically permitted.
4. Safety is of the utmost importance. Event supervisors are obligated to prevent unsafe acts and devices. Safety decisions are not subject to appeal as long as they are applied equally to all teams. Contestants may not bring or use a) flammable liquids or flame sources of any type, such as matches, cigarette lighters, alcohol and acetone b) nor bring or use acids/bases of any concentration except for lemon juice, vinegar and other mildly acidic/alkaline naturally occurring substances.
5. Coaches, teachers, parents, and other adult supervisors are responsible for insuring that any applicable laws, regulations and school policies are not broken.
6. One or more of the 15 current team members must have constructed all pre-built devices presented for judging. Any of the current team members may impound/demonstrate/operate the device at the competition unless stated otherwise in the rules.
7. Any person designated by the coach can impound devices unless stated otherwise in the rules.

State and regional tournament directors must notify teams of any site-dependent rule or other rule modification at least 30 days prior to the tournament.

Student's Pledge

I pledge to put forth my best effort in the Science Olympiad tournament and to uphold the principles of honest competition. In my events, I will compete with integrity, respect, and sportsmanship towards my fellow competitors. I will display courtesy towards Event Supervisors and Tournament Personnel. My actions will exemplify the proud spirit of my school, team, and state. I will not interfere with other competitors or coaches from any school.

Coach's Pledge

On behalf of the coaches and assistants at this tournament, I pledge to encourage honesty and respect for tournament personnel, our fellow coaches, and other team members. We want our efforts to bring honor to our community and school.

Parent's Pledge

On behalf of the parents and spectators I pledge to be an example for our children by:

- respecting the rules of Science Olympiad,
- encouraging excellence in preparation and investigation,
- supporting independence in design and production of all competition devices,
- and respecting the decisions of event supervisors and judges.

It is particularly important to remember that Science Olympiad is a team activity. Students, parents, and coaches need to work together to accommodate schedule conflicts. Event coaches will be working with participants from multiple EW teams, not just individuals/partners.

Timeline and important dates

September 26, 5:30 pm parent information meeting at EWMS (at the Cove)

October 3, 2017: Return registration form with a \$25 check payable to EWMS PTSA to Martha Hutchinson in Principal's Office.

Early October, 2017: Team and Coach Assignments to be announced.

Student meetings (**day of week and place TBD according to coach availability**). Students should plan to be at all meetings. Students should watch for email notification in case of changes. Reminders will be sent to students. For students only, not parents, though we are happy to have a couple of parents help out.

Saturday, January 13, 2018: Carmel Valley Science Olympiad Division B Invitational Tournament. Good opportunity to practice for the Regional Competition.

Saturday, February 10, 2018: Science Olympiad Regional Competition—All teams compete! Save the entire day as the awards are late afternoon—lots of medals, ribbons, and school trophy.

April 2018: State Competition in Anaheim (subject to change). One team per school if EWMS qualifies at Regional (15 students and alternates selected based on event participation and performance at regional as well as teamwork and reliability.)

Thank you to Earl Warren PTSA members for sponsoring our registration and training material fees as well as required liability insurance for day of event.

If you have any questions, contact Christine Arrabit at ewmsso@gmail.com

Helpful websites:

San Diego Science Olympiad website: <https://scilympiad.com/san-diego-so>

National Science Olympiad website: www.soinc.org

Student Center: <http://scioly.org>

Student wiki: http://www.scioly.org/wiki/Main_Page

EWMS Science Olympiad 2017-2018. **Science Olympiad** is a team competition that is a fun, competitive way to supplement your science education with a breadth of interesting material. In pairs, students study, build, practice, and get ready for a big regional competition on February 10th.

Students are teamed up with partner(s) to do 3 or 4 events, which range from laboratory testing, identification, and written tests, to construction and demonstration of various mechanical devices. Students meet 2-5 h a week to prepare for the competition, with the help of volunteer parent coaches, typically after school or on weekends. Prep begins mid-October and continues until February competition, with a possible opportunity to continue to the state competition in April.

Detailed information and suggested resources will be available on the National Science Olympiad website www.soinc.org, the student wiki www.scioly.org/wiki, and through the specific rules.

Questions? Email **Christine Arrabit** at ewmsso@gmail.com. You can find more information about the events below at <https://scilympiad.com/san-diego-so/Info/Events/B>

Building Events:

- **Hovercraft**
- **Thermodynamics**
- **Battery Buggy**
- **Towers**
- **Roller Coaster**
- **Wright Stuff**
- **Write It Do It**
- **Mystery Architecture**

Study Events:

- **Anatomy & Physiology (Respiratory, Digestive, and Immune Systems)**
- **Dynamic Planet (Tectonics)**
- **Meteorology (Climate)**
- **Road Scholar**
- **Rocks & Minerals**
- **Solar System**
- **Ecology**
- **Fast Facts**
- **Herpetology**
- **Disease Detectives (Food Borne Illness)**

Lab Events:

- **Crime Busters**
- **Microbe Mission**
- **Optics**
- **Potions and poisons (food science)**
- **Experimental Design**

Earl Warren Middle School
Science Olympiad Registration Form
Write legibly and in ink

Student Name		Grade
Address		
Tel ()	cell()	E-Mail
Select T-Shirt Size: S M L XL XXL (Adult Sizes—please advise if child size preferred)		

Please check the primary point of contact:

<input type="checkbox"/> Father / Guardian Name		
Address (if diff.)		
TEL ()	Add'l #()	
E-Mail		
Work, Education, or Hobby Information:		

<input type="checkbox"/> Mother / Guardian Name		
Address (if diff.)		
TEL ()	Add'l # ()	
Email		
Work, Education, or Hobby Information:		

Emergency Contact Name:		
Address		
TEL ()	()	

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

Science Olympiad Registration Form, Continued

List any previous Science Olympiad events and relevant science fair projects, camps, hobbies, passions

List Science and Math classes taken or currently enrolled or other relevant info

Previously Completed	Current

I prefer to participate in 2, 3, or 4 events on the day of the competition. (Circle one) I would prefer 0, 1, or 2 of those events to be building events. (Circle one) It is highly recommended that students plan to compete in 3 or 4 events to ensure that all events are adequately covered for each team. Occasionally changes might be necessary.

I would like to be considered for the following events in the order indicated: (Please fill out at least 8)

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

I have read and understand the rules for student participation in Science Olympiad and would like to participate in the program and support our EWMS team(s) in the competitions.

Student Name	Date
Signature	

Parent Volunteer Event Coach: (Parent Name) _____

Preferred events in order: _____

See Volunteer Form for more information.

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

Parent or Guardian Name:	Date
Signature:	

Earl Warren Middle School Science Olympiad Program Expectations for Parent Support

VOLUNTEERS MAKE SCIENCE OLYMPIAD A SUCCESS!

Due to the level of effort required, at least one parent or guardian for each student participant is expected to assist in some capacity.

Parent Volunteer participation form

I understand that I am expected to volunteer in some capacity to assist with the EWMS's Science Olympiad Program's success. I am able to /am interested in assisting in the following area(s):

- Event Coach (23+ coaches needed, most important)** Parent Name(s) _____

Preferred events in order: _____

The parent coaches provide weekly or regular meetings specifically targeting an event. Coaches follow guidelines and information while providing direction and motivation for the students to plan, build, and study for their events. No experience necessary. **Coach T-Shirt Size S M L XL XXL (Circle one)**

- Expert Assistant** _____

If a parent cannot commit to fully coaching an event due to being out of town for periods of time, or not having access to a lab, a parent can volunteer to help assist an event or a general area. Conversely, please note if a parent has access to tools, lab, machine shop, or other resources, those would also be useful.

- Assistant and/or Student Coordinator(s):** Needed to learn, assist, and help coordinate the team.

Coordinate student lunch meetings, team building. Help students with their concerns.

Contact students to verify missed meetings. Make copies. Bring snacks to lunch meetings.

- Regional Competition Monitor (Need 2 + alternates)** _____

- Regional Competition Food Coordinator/ Site Monitor for day of event (2-3)**

Also needed to arrange snack schedules for lunch meetings.

- Public Relations** _____

- Other** _____

I also understand that based on team needs, parents may be needed to perform additional or other tasks.

Parent or Guardian Name	Date
Signature	

Earl Warren Middle School Science Olympiad Permission Form

I give my permission for _____ (student's name) to participate in the Earl Warren Middle School 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 EWMS 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.

Parent Name:	
Parent Signature:	Date

EWMS SO Availability Schedule

Student Name:	
Phone:	Email:

Please indicate the days and time periods during which you are generally not available to meet. Please note if this commitment is seasonal, and what month(s) are impacted. For example, if you have a lesson every Monday from 3:30-4:30pm, you would enter "3-5pm" (including drive time) on Monday, 2:30-4:30 line. Similarly, if you play a school sport, you would likely block M, T, and Th 2:30-4:30 and note "ends early Nov." Please add another sheet if you have a more complicated schedule.

Day	Time Period	I cannot meet at the times indicated:
Monday	2:30-4:30pm	
	4:30-6:30pm	
	6:30-8:30pm	
Tuesday	2:30-4:30pm	
	4:30-6:30pm	
	6:30-8:30pm	
Wednesday	2:30-4:30pm	
	4:30-6:30pm	
	6:30-8:30pm	
Thursday	2:30-4:30pm	
	4:30-6:30pm	
	6:30-8:30pm	
Friday	2:30-4:30pm	
	4:30-6:30pm	
	6:30-8:30pm	
Saturday	8:00-10:30am	
	10:30-1:00pm	
	1:00-3:30pm	
	3:30-6:00pm	
	6:00-8:30pm	
Sunday	8:00-10:30am	
	10:30-1:00pm	
	1:00-3:30pm	
	3:30-6:00pm	
	6:00-8:30pm	