

Welcome to Science Olympiad. There are many levels of participation. Some students see us as a club and some students would like to compete. As a club your commitment will be less and you can just have fun. However if you would like to compete you can still have fun but the commitment will be greater. Any student in 6-8 who shows an interest and attends meetings and practices is considered to be a team member.

45 students may compete at the Regional level and only 15 at the State level and beyond.

ALL team members may qualify to compete at the Regional level. Some team members will then qualify to compete at the State level but most will not. Those students who do compete cannot do well with out the support and help of the other team members.

In order to be chosen a competing team member the coaches will look that you

- Attend Meetings
- Attend practice and workshops
- Practice Multiple Events (3-4), You pick 2 and we assign 2.
- Excel at your events
- Have a positive attitude; such as a willingness to compete in events that are not your top choice because they help the team achieve better results.
- Study events that are only at the State Competition
- Display appropriate behavior
- Work independently and complete assignments on time
- The least number of event scheduling conflicts
- Are available for the Regional competition Saturday March 8th from 6am-6pm
- Are available April 3-5, 2014 for the State Level
- Past Olympiad experience

Regardless of whether you compete or not you are part of the team and will participate in other ways. ONLY 25 STUDENTS MAY TRAVEL TO THE STATE EVENT. YOU MUST EARN AN INVITATION IN ORDER TO TRAVEL WITH THE SCHOOL.

Regional Event- Saturday March 8th 2014

State Event April 3 -5 2014

In order to excel at your event here is an approximation on the time commitment needed. This is based on past performance of students and their standings and awards in events.

October- 2-3 hours a week
November- 2-3 hours a week
December- 3 hours a week
January 3-4 hours a week
February 5 hours a week

The week before the competition: 8 hours: including late nights – usually between 6-8pm

The amount time is only an approximation. It may be more depending on the level of work completed, difficulty of event or number of events competing in.

Below is a list of the 2013-14 events. Items in Bold are done only at the state levels. Please keep in mind that these events must be started now in order to be prepared in time.

1. Anatomy- (T) Test on Nervous & Integumentary system.
2. Boomilever- (B) Build a bridge like structure that extends from one side only.
3. Cant Judge a powder- (L) Perform chemical and physical tests and answer questions based on observations.
4. Crime Busters- (L) Forensics lab tests to solve a mystery.
5. **Disease Detective**- (T) Analyze clues in order to identify different types of diseases.
6. Dynamic Planet- (T) Exam on Glaciers.
7. Entomology- (T) Test
8. Experimental design- (L) Design, conduct and report on an experiment.
9. Green Generation (T) – test on reducing, reusing and recycling.
10. Helicopter - (B) Build a rubber band powered helicopter to hover the longest time
11. Heredity - (T) Test on Genetics.
12. Invasives- (T) Test on plant and animal life that change the environment based on great abundance.
13. Meteorology- (T) Test on weather.
14. **Metric Mastery**- (L) estimate and accurately measure physical properties using metric units
15. Road Scholar- (T) Using maps to solve problems.
16. **Robo- Cross**- (B) Build a robot that can grasp and move various objects and overcome obstacles
17. Rocks and minerals- (L) identify samples and understand formation of rocks and minerals.
18. Rotor egg drop- (B) attach a helicopter blade to raw egg and drop so egg does not break
19. **Shock value**- (T/L)) test on electricity and magnetism
20. Simple Machines- (T/L) All aspects of simple machines and using a lever to calculate mass.
21. Solar System (T)- test on properties and evolution of extraterrestrial ice and water in the solar system
22. **Sounds of Music**- (T/B) build and play 2 instruments and exam on music
23. Water Quality- exam on evaluating aquatic environment.
24. Wheeled vehicle- build a car that is powered by an elastic band that can stop at a given distance.
25. Write it do it- build an object based on directions