

IMPORTANT NOTES ABOUT SPECIFIC EVENTS (SENT TO COACHES)
(INCLUDING RULE CLARIFICATIONS AND MODIFICATIONS)
PLEASE READ CAREFULLY!!

Remember that changes in Olympiad events are noted in the rules manual **in bold type**. Please review the manual for more complete details. The following list highlights a few notable changes, important requirements, and errors in the manual. **You should also check the state web site periodically for corrections/clarifications/announcements made after this memo** <https://www.aznvas.org/SO>.

1. **Bridge Building and Robot Arm:** We will be impounding bridges and robots with the standard 7:45 a.m. deadline. This is different than what is specified by the rules manual for these events.
2. **Electric Vehicle:** Be sure your vehicle has the requisite dowel to trigger the photogate (Construction Parameters 2g). Failing to include this component counts as a construction violation (5000 point deduction)
3. **Wright Stuff:** We will be impounding flight logs (only -- not planes) for this event; this is different than what is specified by the rules manual. The gymnasium is approximately 102 ft in length x 135 ft in width x 25 ft. in height; there are six basketball hoops and backboards suspended from the ceiling around the court, and four ventilation units close to the ceiling in the four corners of the room. If possible, the backboards will be retracted). Planes will be set up in the central section of the gym; they will be launched from the middle of the room. Be sure that students show up at least 5 minutes prior to start time for pre-launch inspection. Logs will also be checked at this time
4. **Air Trajectory, Electric Vehicle, Robot Arm and Wright Stuff** will all be held in (different areas of) the gym. While not ideal, this is the only available room on campus that has the space and flat surface needed for these events. Please note that the floor is made of varnished hardwood. It is imperative that neither footwear nor devices mar the hardwood surface.
5. **It's About Time and Wind Power:** The written exams for these two events will be administered separately from the testing of the devices. Teams will sign up for a demonstration time and take the written test as their schedule permits (8:00 am – 1:30 pm). The two parts may be done in either order. The same participants must do both parts of these events. **Please be sure they have two participants' forms for this event so that they may give one to each part of the event's supervisor**
6. **Anatomy and Physiology** This event may use some plastinated body parts (a la "Body Worlds") **and human bones** along with models and pictures.
7. **Experimental Design:** Materials provided may include live invertebrate organisms.
8. **Forensics:** Teams must provide equipment listed in rules (e.g., test tubes and racks, droppers, funnel etc.) if they wish to use them during the competition. They also will need appropriate safety equipment (safety goggles and clothing; see rules for specifics).
9. **Invasive Species:** Images and/or specimens will be limited to the families and orders on the Division C List downloadable from the state web site.
10. **State Event Descriptions:** Please see the "download forms link" on the state website for description of Evolution and Math Applications for Today's Technology events. Points accumulated in these events WILL be used in computing final team standings.
11. **Online Event Sign-ups:** Starts 8 am February 5th and ends at 12 noon on March 4th.

Scheduled Events: Your team should sign up online for the hours at which they want to

compete for all scheduled events in which they are participating. Sign ups will begin February 5th

If you have more than one team in the tournament, you must sign your school up for the same hour for the scheduled events in which both participate. If you do not do this, the results from your second team (later hour) will be scored as "failing to meet requirements." You may register both teams starting on February 5th.

Open Events: Your team will also need to sign up online for the time at which they want to compete in the open events (listed as such on the schedule). Teams that fail to sign up will only be allowed to compete if time permits. **Schools with more than one team may only sign up one team for the open events on the first day of registration.** You may select times for your second team starting on February 12th. This policy is intended to allow all schools an equal opportunity to pick times for their team on the first few days of registration.

Please note: The policy for school with two teams is different for scheduled (e.g, Dynamic Planet, Invasive Species) versus open events (e.g., Bridges, Electric Vehicle). For the scheduled events you may register both teams starting on the first day of registration (and must plan for both teams to compete at the same hour); for open events, you may only register your second team after a one week delay (i.e., starting February 12). If you sign up your second team prematurely, you will be asked to remove it from the sign-up and re-entered after February 12.

Please see Coaches Memo (page 3 for additional information/ policies about online sign- ups)

12. **Impounds:** Devices or designated supplies must be checked in by 7:45 am for all events indicated on the schedule and listed below. Please **clearly LABEL your impounded materials with your team's name in advance**, and check it in with the event supervisor or his/her assistant at the location listed below. Ideally the competing team members should impound their own device; however, competitors may designate (at their own risk) any team representative (including coaches or parents) to deliver the device for them.

Teams which fail to have completed their impounding prior to the deadline will be disqualified from participation in that event. NOTE that, in contrast to the nationals rules descriptions, we will be impounding for Bridges, Robot Arm and Wright Stuff

<u>EVENT</u>	<u>IMPOUND LOCATION</u>
Air Trajectory	SW side of Gym; (device including detached "falling mass," graphs, projectiles, other materials to be used for event)
Bridge Building	S side of PS lobby
Electric Vehicle	SE side of Gym (vehicle, batteries, and spare parts)
It's About Time	PS-169 (device and supplies/ tools in labeled storage box)
Protein Modeling	T1-110 (pre-build, written explanation of additions made)
Robot Arm	NW corner of the Gym (including required technical documentation)
Wind Power	PS-168 (blade assembly in a box)
Wright Stuff	flight log only, E side of Gym

13. **Retrieving devices/projects:** Teams must pick up their materials from the event venue by the conclusion of the event or at a time designated by the event supervisor. **The scores of teams that do not comply with this policy will automatically be dropped to a lower tier.**
14. **Impounded documents:** Technical documentation (see event description for specifications) is required for Protein Modeling, Robot Arm and Wright Stuff; it should be impounded by the 7:45 am deadline. Note that any graphs to be used during Air Trajectory must be impounded as well.
15. **Reference materials and supplies:** Teams may bring specified reference materials only for the

following events: Anatomy and Physiology, Astronomy, Cell Biology, Chemistry Lab, Disease Detectives, Dynamic Planet, Fossils, Forensics, GeoLogic Mapping, Green Generation, Hydrogeology, Invasive Species, It's About Time (both parts), Protein Modeling, Wind Power (Part II only). See the rules for types of materials allowed and space limitations.

In addition, the following events allow students to bring various tools, supplies and measuring devices: Air Trajectory (impounded), Electric Vehicle, Experimental Design, Forensics, Fossils, GameOn, GeoLogic Mapping, Hydrogeology, It's About Time, Protein Modeling, and Wright Stuff. See the rules for particulars of each.

16. **Safety Equipment:** For student safety, no open-toed shoes (e.g., sandals) will be allowed in the following events (no exceptions): Chem Lab and Forensics. Students also must wear long pants/skirts and long-sleeved lab coat (or long-sleeved shirt and chemical apron), and supply their own safety goggles and aprons or lab coats for these three events. Safety eyewear is also required for Air Trajectory, Bridges, Cell Biology, Experimental Design, It's About Time and Robot Arm. See National Science Olympiad website for eye protection policies: https://www.soinc.org/eye_protection Please be sure participants are properly equipped.
17. **Outside assistance:** Once teams enter the event area to compete, they may not receive outside coaching, information, materials, or communication. Teams in the following events will be disqualified (DQ) for violating this rule: Air Trajectory, Bridges, Electric Vehicle, Robot Arm, and Wright Stuff.
18. **Computers, Cell Phones, Calculators:** Communication (electronic or voice) with other individuals is NOT permitted during the competition. Cell phones, **iwatches (or similar)**, walkie talkies, pagers, or other electronic communication devices must be turned off **and removed from any surface of the bench/table/desk during each event**. **Earphones, ear buds, blue tooth devices and watches (of any kind) must all be removed during all events**. An audible communication device, texting, connecting to the internet, **or failing to honor these policies without reminder** during an event will be grounds for disqualification.

Non-camera capable calculators may be used in those events where the rules state they are permitted. Teams should not plan to use their cell phones or watches as calculators or timers. The table below summarizes the events that allow calculator and the type of calculator permitted (A=allowed feature, N=not allowed). Calculators are not permitted in any other events.

Event	Programmable	Graphing
Air Trajectory (see parameters)	N	A
Astronomy	A	N
Anatomy & Physiology	N	N
Cell Biology	N	N
Chemistry Lab	N	N
Disease Detective	N	N
Dynamic Planet	A	A
Electric Vehicle	N	A
Experimental Design	A	A
Forensics	A	A
GeoLogic Mapping	N	A
Green Generation	N	A
Hydrogeology	A	A
It's About Time (Part II)	A	A
Scrambler	A	A
Wind Power (Parts I and II)	N	A

Up to two computers or tablets may be used in the Astronomy event only but NO INTERNET ACCESS IS ALLOWED. Violation of this policy will result in disqualification from the event.

19. **Photographs:** **Photographs may not be taken in closed events. Violation of this policy will**

result in disqualification from that event.

20. **Alternates:** Alternate team members may not compete in any of the events unless one of the listed team members is unable to attend or participate in the state tournament.
21. **Other Policies:** Please see National Science Olympiad website (<https://www.soinc.org/policies>) for policies including those regarding the following:
- ❑ Cyber-schooled students
 - ❑ Lasers
 - ❑ Building and Tools (for constructed devices)
 - ❑ Significant Figures
 - ❑ Copyright of Science Olympiad materials
 - ❑ Acceptable use of Science Olympiad logo

22. **Additional rule clarifications:** This is the only bulk communication you will receive prior to the competition. Other updates will be posted as needed at the state Science Olympiad web site (<https://www.aznvas.org/SO>). Please check periodically to see if there have been any announcements posted.

Teams must submit any questions about events by February 11th, 2016 to karen.ann.conzelman@gccaz.edu. After this date, no clarifications will be made at the state level and it will be up to the teams to interpret the rules for themselves.

23. **Team Awards:**
The sponsorship of the Employees Community Fund of Boeing Mesa enables us to recognize the top ranking "rookie" team (school competing in its first or second AZ state tournament) with a \$100 award for their club account and a plaque.

The Arizona-Nevada Academy of Science will award \$100 to the club accounts of each of five teams randomly selected from among all those participating in the following two events: Evolution and Robot Arm. Also, in honor and memory of Dr. Bud Ellis, \$50 will be given by ANAS to the club accounts of the top placing teams in GeoLogic Mapping and Invasive Species.

24. **Individual Prizes and Awards:**
Donated prizes will be distributed at the Awards Ceremony to randomly selected Science Olympiad competitors. Participants should clearly print their name and school on their wristband and, at the conclusion of the competition, cut off the band and drop it in the designated box in the cafeteria. Wristbands will be drawn at random for prizes. One wristband will be allowed per individual, and participants must be present to win. Prizes will be drawn at the beginning of the ceremony.

In addition to medallions, other prizes will be given to top placing teams in specific events. These awards are made possible by contributions from private donors as well as sponsors. Salt River Project is the presenting sponsor for Green Generation.