

Michigan Science Olympiad
Region 12 Tournament, Grand Valley State University, March 23, 2019

Event Notes for Coaches and Supervisors

Our Event Supervisors will monitor the official National Science Olympiad website rules clarifications at http://www.soinc.org/official_rules_clarif. You can submit requests for rules clarifications at their site. **The Region 12 tournament considers both [National Rules Clarifications](#) and [FAQs](#) issued prior to February 23 to be the official rules.** After that, we will not require compliance. Additional information is available at www.soinc.org.

ALL EVENTS

Please check our regional website at www.gvsu.edu/mso-r12 for all Region 12 Michigan Science Olympiad information and updates.

- Students are expected to be present at the start of events, including self-scheduled times. Arriving late may keep them from competing. Accommodations will be made if possible, but there is no guarantee.
- Be aware there are **strict goggle rules** and be sure students are dressed in the appropriate safety clothing and gear for events calling for protective items.
- Please remind students to take all of their equipment or devices with them after they are finished competing unless they anticipate going to arbitration.

Region 12 Notes

Chemistry Lab	C	The event organizers will provide an event handout, periodic table, and all lab equipment (glassware and chemicals) needed for the event. <u>Teams are responsible for their own protective equipment including lab coats and goggles.</u> If they wish, teams may also bring an 8.5" x 11" sheet of paper with notes on both sides and calculators, as described in the event rules. <u>In order to maintain fairness and safety for all participants, additional outside lab equipment cannot be brought into the event.</u> Teams should not bring the large kit of glassware and lab equipment described by the document posted on the national website. Teams who bring additional equipment will be asked to leave it outside of the event upon entry. Any equipment brought by teams and left outside in this way will not affect that team's score for the event.
Crime Busters and Potions & Poisons	B	Teams are not required to bring all of the recommended lab equipment on the "Recommended Lab Equipment for Division B Chemistry Events" to GVSU's Potions and Poisons and Crime Busters event. Teams will be able to succeed with a kit composed of the following:

		<ul style="list-style-type: none"> • Box • One graduated cylinder (10 or 25 mL) • Test tubes • Test tube brush • Test tube rack • An assortment of beakers (no more than 4 required, 100-250 mL) • Spot plate • Droppers • Spatulas • Spoons 	<ul style="list-style-type: none"> • Stirring rods • Metal tongs, forceps, or tweezers • Pencil • pH or litmus paper <p><u>Additional for Crime Busters ONLY</u></p> <ul style="list-style-type: none"> • Hand lens <p><u>Additional for Potions & Poisons ONLY (not permitted for Crime Busters)</u></p> <ul style="list-style-type: none"> • 9V or less battery conductivity tester • Thermometer
Mission Possible This event will have a voluntary Impound at the event site.	C	The Action Sequence List (ASL) must be uploaded in the Coaches Portal or emailed to Chelsea Ridge, ridgec@gvsu.edu by Sunday, March 17, 5 pm. Self-scheduled slots are 50 minutes long. Teams will have 30 minutes to setup their device. If students are ready to test their device before their 30 minutes have passed, they may. Thus, teams may not require the entire 50 minutes at this event.	
Experimental Design	B & C	Do not bring a completed rubric. Bringing a completed rubric will result in disqualification. Experimental Design will not be done in stations.	
Elastic Launched Glider and Wright Stuff	B & C	These events will be run in the Kelly Family Sports Center. The ceiling height is 65 ft. at the highest pitch.	
Sounds of Music	C	Event Supervisor will use Google Science Journal app to test pitch.	
Trial Events	B & C	We will be running Pentathlon and Bottle Rockets as trials for both divisions. Bottle Rockets will be indoors and self-schedule is available.	
Bottle Rockets	B & C	<p>Bottle Rockets will take place in Rec Center Courts 5 & 6. Ceiling height is 39 ft. and it is 32 ft. to the bottom of the truss. No tethers permitted.</p> <p>Self-Schedule slots are available and walk up slots will be available all day depending on availability.</p>	
Binder and Notes	B & C	Binder and note sheets, permitted by the rules, can be typed and printed or handwritten and must be in the bindings at the start of the event.	
Thermodynamics	B	Scoring Section 5d: In order to earn 2 points for ‘including at least 10 data points in each data series,’ the 10 data points must be clearly visible and explicitly marked on the graph. A best fit curve is not sufficient.	
Write It Do It	B & C	A reminder to your students that not all the items provided may be required in the build. Additional items are often provided as “distractors.”	