

Event Notes for Coaches and Supervisors
Region 12 Tournament, Michigan Science Olympiad
Grand Valley State University, March 23, 2024

RULE CLARIFICATIONS

Event Supervisors will monitor the official [National Science Olympiad website rules clarifications](#). You may submit requests for rules clarifications on this website. The Region 12 Tournament considers both [National Rules Clarifications](#) and [FAQs](#) issued prior to February 23, 2024, to be the official rules. For additional information visit: www.soinc.org.

ALL EVENTS

Check our website at www.gvsu.edu/msor12 for all **Region 12** Michigan Science Olympiad information and updates. Please note the following:

- Students are expected to be on time for their events.
- Only current team members or alternates must construct all devices.
- **BYOG: Bring Your Own Goggles** – Follow the **Eye Protection Guide** in the Rulebooks.
- Make sure students are dressed in appropriate safety attire for events calling for protective items.
- Please remind students to **take all their equipment or devices** with them after they have finished competing unless they anticipate going to arbitration.

Binder and Notes – B & C

Binder and note sheets, permitted by the rules, can be type-print or handwritten and must be in the binder at the start of the event. They **cannot** be in a digital format.

Can't Judge a Powder - B

MANDATORY ITEMS: Goggles; Lab Coat; Shoes

PERMITTED ITEMS:

- | | |
|---|-----------------------------|
| ▪ Containers for testing (test tubes, spot plates, beakers) | ▪ pH paper/meter |
| ▪ Conductivity tester (no plug-ins, but meters ok) | ▪ Pipettes or eye droppers |
| ▪ Graduated cylinder | ▪ Ruler |
| ▪ Hand lens | ▪ Scoops or spatulas |
| ▪ Magnet | ▪ Test tube holder and rack |
| | ▪ Thermometer |

Chemistry Lab - C

- The event organizers will provide an event handout, periodic table, and lab equipment
 - (glassware and chemicals) needed for the event.
- To maintain fairness and safety for all participants, additional outside lab equipment **cannot** be brought into the event. **Teams should not** bring the large kit of glassware and lab equipment listed in the rulebook. 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.
- **Teams are responsible for their own protective equipment** including lab coats and goggles.
- If they wish, teams may bring an 8.5" x 11" sheet of paper with notes on both sides and calculators, as described in the event rules.

Code Busters – B & C
<ul style="list-style-type: none"> ▪ FAQ: Ciphers will be based on International Morse Code.
Detector Building – C
<ul style="list-style-type: none"> ▪ FAQ: Yes, you can solder your basic components to the breadboard to make a more permanent connection.
Flight – B & C
<ul style="list-style-type: none"> ▪ These events will take place at the Kelly Family Sports Center. Planes must slide easily in and out of the box. Any bending is a construction violation.
Forestry – B & C
<ul style="list-style-type: none"> ▪ FAQ: The published Tree List will be used to evaluate answers at all tournaments as established by the rules even if a tree on the list has since had a change in scientific family name since the list was published.
Robot
<ul style="list-style-type: none"> ▪ Event takes place on a wood floor, like a basketball court. ▪ FAQ: The only files that can be viewed or modified during the competition are the files impounded on the USB drive as part of their single robot program.
Roller Coaster – B
<ul style="list-style-type: none"> ▪ FAQ: Teams may be allowed to alter the start and finish line BEFORE they are given the target time, but not after knowing it. ▪ FAQ: Once the device is leveled and in place to compete, the position of the start and finish lines relative to their place in space <i>must not change</i>. They should be marked on the device and not changed. Other parts of the device may be allowed to be changed.
Microbe Mission – B
<ul style="list-style-type: none"> ▪ FAQ: Any measuring devices, if necessary, will be provided.
Optics – B & C
<ul style="list-style-type: none"> ▪ FAQ: If a student moves a barrier while setting up there is no direct penalty, but the event supervisor will reset the barrier and the time that takes will be subtracted from their setup time.
Trial Events
<ul style="list-style-type: none"> ▪ Aerial Scramble B & C will be a walk-up event. The tournament will provide planes that can be modified on site. ▪ Pentathlon B & C will be a walk-up event. The theme will be, “The Wild Wild West.” ▪ Any school can have multiple teams compete in trial events (regardless of primary/alternate team status). Only one team is eligible for medals per school.
Write It Do It – B & C
<ul style="list-style-type: none"> ▪ A reminder to your students that all items provided may not be required in the build. Additional items are often provided as “distractors.”