

**Michigan Science Olympiad
Region 12 Tournament, Grand Valley State University, March 15-20, 2021**

Event Notes for Coaches and Supervisors

Our Event Supervisors will monitor the official National Science Olympiad website rules clarifications at 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 15, 2021 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/msor12 for all Region 12 Michigan Science Olympiad information and updates.

- Students are expected to be prompt with timing.
- The current team members or alternates must construct all devices.
- For the on-campus build events, please remind students to take all of their equipment or devices with them after they are finished competing. There will not be any in-person arbitration.
- Alternate Teams may compete in any events as space permits. The first team to compete from each school will be scored for points. For online events, alternate teams MUST compete after the scored team.

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. They cannot be in a digital format.	
Cell Phone Use – B & C	
Cell phones are permitted for correspondence between team members competing in the same event.	
Online test only events	
B Events Anatomy and Physiology Circuit Lab Crime Busters Density Lab Digital Structures Disease Detectives Dynamic Planet Experiment and Data Analysis Food Science Fossils Game On Heredity Machines Meteorology Ornithology Reach for the Stars Road Scholar Water Quality Write it CAD it	C Events Anatomy and Physiology Astronomy Chemistry Lab Circuit Lab Codebusters Designer Genes Detector Building Digital Structures Disease Detectives Dynamic Planet Experiment and Data Analysis Forensics Fossils Geologic Mapping Machines Ornithology Water Quality Write it CAD it

Protein Modeling – C
Protein Modeling will have three parts. Part I includes be a prebuild that will need to be delivered to GVSU for grading prior to the week of the competition. Part II & III will be virtual in the Scilympiad portal similar to an online test only event. Prebuild drop-off / mailing information will be available in the March Mailing.
Sounds of Music - C
This event will have a test portion as well as a live virtual device test.
Mission Possible - B
<ul style="list-style-type: none"> The Action Sequence List (ASL) must be submitted or emailed to msor12@gvsu.edu by Sunday, March 14 at 5 pm. This event will be a REMOTE competition. Teams will submit a video within a chosen time slot.
Helicopters – B & C
This event will be an online video submission to be taped and submitted within in a chosen time slot.
Write it CAD it - B & C
The software used for the tournament will be 3dc.io.
On Campus Events
<ul style="list-style-type: none"> Boomilever B & C Gravity Vehicle C Mousetrap Vehicle B Ping Pong Parachute B & C <p>Locations are subject to change based on the current health situation and GVSU guidelines in compliance with county and state recommendations.</p> <p>If on campus events need to be cancelled, Gravity Vehicle C and Mousetrap Vehicle B will be transferred to a remote video submission option. Boomilever and Ping Pong Parachute will be cancelled. This decision will be made by March 1, 2021.</p>
Ping Pong Parachute – B & C
<p>Ping Pong Parachute will take place in Rec Center Courts 2 & 3. Ceiling height is 39 ft. and it is 32 ft. to the bottom of the truss. No tethers permitted.</p> <p>Teams must have practice logs with 15 flights at varied pressures and a label to prove their bottle held a carbonated beverage in order to be launched.</p>
Gravity Vehicle C & Mousetrap Vehicle B
Both vehicle events will take place on campus. Alternate teams will be permitted to compete in these events as space allows.
Video Submission Guidelines
Video Submissions will take place within the Scilympiad portal. Teams will sign up for a one hour slot. At that time, they can login and view a secret word. They must write the secret word on a piece of paper, show the camera, and then tape it to their chest during the event testing. They must upload one continuous video clip to be reviewed and scored. Please note event specific requirements which will be highlighted in the final Event Notes released by March 1. They will also be highlighted within Scilympiad.