



Welcome to Michigan Science Olympiad

Event Overview
Webinar Training
11/12 & 11/14, 2018

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Outlines

- Event Preparations
- Event Descriptions
- Team Schedule vs. Tournament Schedule



Event Preparations

- Frequency
- Understand the rules
- What to bring, What not to bring
 - Binder vs. Note sheets
 - Calculators
 - Eye Protections
- FAQs (<https://www.soinc.org/events/frequently-asked-questions>)
- Rule Changes & Clarifications
(<https://www.soinc.org/events/rules-clarifications>)



- **Cerebral/Study/Lab Events (15)**

- Fixed schedule
- Know Permitted event reference materials to bring into the event room.

- **Technical/Building Events (8)**

- Self Schedule / walk-in
- Start build early & keep it simple
- Practices locations (high ceiling, floor conditions & variations...)

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- Coach training (<http://misciolly.org/workshops/>)
 - Invitational (<http://misciolly.org/practice/>)
 - Practice tests (<https://scioly.org/tests/>)
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Event Descriptions

Div. B <https://www.soinc.org/learn/b-event-short-descriptions>

Div. C <https://www.soinc.org/learn/c-event-short-descriptions>



Tournament Scoring

- **Scoring**

- Individual Event winners recognized
- Top 3-6 teams recognized
- Team points awarded for the place the team got in each event.

Example:

- » First Place in Dynamic Planet – Team receives 1 point
- » Eighth Place in Anatomy – Team receives 8 points
- » No Shows – Team receives # of points as # of teams at Tournament
- Team with the overall lowest score wins the Tournament

2019 B EVENTS

LIFE, PERSONAL & SOCIAL SCIENCE

[Anatomy and Physiology](#)

[Disease Detectives](#)

[Heredity](#)

[Herpetology](#)

[Water Quality](#)

EARTH AND SPACE SCIENCE

[Dynamic Planet](#)

[Fossils](#)

[Meteorology](#)

[Road Scholar](#)

[Solar System](#)

PHYSICAL SCIENCE & CHEMISTRY

[Circuit Lab](#)

[Crime Busters](#)

[Density Lab](#)

[Potions and Poisons](#)

[Thermodynamics](#)

TECHNOLOGY & ENGINEERING

[Battery Buggy](#)

[Boomilever](#)

[Elastic Launched Glider](#)

[Roller Coaster](#)

INQUIRY & NATURE OF SCIENCE

[Experimental Design](#)

[Game On](#)

[Mystery Architecture](#)

[Write It Do It](#)

2019 C EVENTS

LIFE, PERSONAL & SOCIAL SCIENCE

[Anatomy and Physiology](#)

[Designer Genes](#)

[Disease Detectives](#)

[Herpetology](#)

[Water Quality](#)

EARTH AND SPACE SCIENCE

[Astronomy](#)

[Dynamic Planet](#)

[Fossils](#)

[GeoLogic Mapping](#)

PHYSICAL SCIENCE & CHEMISTRY

[Chemistry Lab](#)

[Circuit Lab](#)

[Forensics](#)

[Protein Modeling](#)

[Sounds of Music](#)

[Thermodynamics](#)

TECHNOLOGY & ENGINEERING

[Boomilever](#)

[Mission Possible](#)

[Mousetrap Vehicle](#)

[Wright Stuff](#)

INQUIRY & NATURE OF SCIENCE

[Codebusters](#)

[Experimental Design](#)

[Fermi Questions](#)

[Write It Do It](#)

Tournament Schedule vs Team Schedule

Updated 9-17-18

Division B Schedule – Draft

2019 Michigan Science Olympiad State Tournament - Michigan State University

Event	Location	9:15-10:15	10:30-11:30	12:00-1:00	1:15-2:15	2:30-3:30
Anatomy & Physiology		1 – 12	13 – 24	25 – 36	37 – 48	49 – 60
Aerial Scramble (Trial)		Self-Scheduled				
Battery Buggy	Impound 7:15-8:45	Self-Scheduled				
Boomilever		Self-Scheduled				
Circuit Lab		25 – 36	37 – 48	49 – 60	1 – 12	13 – 24
Crime Busters		37 – 48	49 – 60	1 – 12	13 – 24	25 – 36
Density Lab		Self-Scheduled				
Disease Detectives	1 – 60 8:00-9:00am					
Dynamic Planet		13 – 24	25 – 36	37 – 48	49 – 60	1 – 12
Elastic Launched Glider		Self-Scheduled				
Experimental Design		Self Schedule	Self Schedule	Self Schedule	Self Schedule	Self Schedule
Fossils		25 – 36	37 – 48	49 – 60	1 – 12	13 – 24
Game On		Self Schedule	Self Schedule	Self Schedule	Self Schedule	Self Schedule
Heredity		13 – 24	25 – 36	37 – 48	49 – 60	1 – 12
Herpetology		37 – 48	49 – 60	1 – 12	13 – 24	25 – 36
Meteorology		49 – 60	1 – 12	13 – 24	25 – 36	37 – 48
Mystery Architecture		Self-Scheduled				
Potions and Poisons		1 – 12	13 – 24	25 – 36	37 – 48	49 – 60
Road Scholar		1 – 12	13 – 24	25 – 36	37 – 48	49 – 60
Roller Coaster	Impound 7:15-8:45	Self-Scheduled				
Solar System		Self Schedule	Self Schedule	Self Schedule	Self Schedule	Self Schedule
Thermodynamics	Impound 7:15-8:45	Self-Scheduled				
Water Quality		49 – 60	1 – 12	13 – 24	25 – 36	37 – 48
Write It Do It		49 – 60	1 – 12	13 – 24	25 – 36	37 – 48

Sample Team Schedule - MSO Div. B

Student	7:15-8:45	8:00-9:00	9:15-10:15	10:30-11:30	12:00-1:00	1:15-2:15	2:30-3:30	
Student 1	Impound (Battery Buggy, Roller Coaster, Thermodynamics)	Disease Detectives	Anatomy & Physiology			Circuit Lab		
Student 2			Potions and Poisons		Density Lab	Fossils	Dynamic Planet	
Student 3			Road Scholar	Meteorology	Elastic Launched Glider		Heredity	
Student 4				Water Quality		Battery Buggy	Game On	
Student 5				Write It Do It		Boomilever	Solar System	
Student 6			Thermodynamics		Density Lab		Mystery Architecture	
Student 7				Experimental Design	Elastic Launched Glider		Roller Coaster	
Student 8			Disease Detectives	Anatomy & Physiology			Mystery Architecture	
Student 9				Potions and Poisons	Experimental Design		Roller Coaster	
Student 10				Road Scholar		Crime Busters	Battery Buggy	
Student 11						Herpetology	Boomilever	Game On
Student 12					Experimental Design	Crime Busters		Solar System
Student 13				Thermodynamics	Meteorology	Herpetology		Dynamic Planet
Student 14					Water Quality		Circuit Lab	Heredity
Student 15					Write It Do It		Fossils	



Forming a Team:

- Team Size (up to 15 students)
 - Div. B (Grades 6-9): \leq Five (5) 9th graders
 - Div. C (Grades 9-12): \leq Seven (7) 12th graders
- Event Rules (23 Events per Division)
 - Div. B
 - Div. C



Q&A Follow Up

1. When will herpetology list for Michigan be available? Couldn't find it.

Herp list will be the same as last year. The national list and little Michigan added in.

2. For protein modeling, will students have computers available to use the Jmol program? Will students be expected to know the program or will there be helps/hints for using program?

Yes, Protein Modeling will be in a computer lab. Yes, the kids need to know the JMol program.

The program is on: <http://cbm.msoe.edu/scienceOlympiad/designEnvironment/prebuild.html?>

3. Is there Grant funding available for private schools this year.

There is NO state funding for Science Olympiad this year. Not even for private schools.





← The Sun

Earth

