Wyandot Middle Science Olympiad Team 2025-2026



# What is Science Olympiad?

Science Olympiad is a national program that provides an opportunity to capture the kind of interest, enthusiasm, and commitment for science that you see for athletic programs. The program is aligned with national science standards and is designed to increase student interest in science, while strengthening problem solving and teamwork skills. Students on the Science Olympiad team, along with their teammates, will compete in 23 events, during 1-2 competitions. All students on the Science Olympiad team will compete in the Region 7 Tournament, (approximately 19 Macomb County teams) on **Saturday, March 14, 2026**, held at Macomb Community College South Campus. Qualifying schools will advance to compete at the State Tournament held on **Saturday, April 25, 2026** at Michigan State University.

# Science Olympiad Selection Process

* The Science Olympiad team consists of 15 students this year in 6th through 8th grade.
* Students are chosen based on prior experience, completion of their written application, and parent involvement survey. Teacher input may also be considered.

**-Returning Wyandot S.O. members are automatically on the team and have return rights to last year’s events.**

-Applications are due **Friday, October 17th** to Mrs. Theisen or the office.

**Acceptance**

-Students will be notified of team selection and event pairings on or before **Thursday, October 23.**

***-Mandatory student and parent coach meeting on Monday, October 27th at 3:15*.**

* All events will be finalized
* Students will meet event partners & coaches and receive event rules folder
* Event coaches will pick up available materials

# Student Requirements

* Students will typically compete in 2-3 events.

# Students will meet with their event teammate and parent coaches to research, study, and prepare items for his or her events.

# These practice times will be set up with the students and the parent coaches to work together before or after school, or on weekends.

# These meetings may be held in person or virtually.

# Parent Requirements

* Science Olympiad is a partnership between students and parents!
* For students to be eligible to join the team, parents must commit to coach at least one event.
* Many questions and answers of the program can be answered by visiting **Macombso.org** and clicking the secondary tab at the top. Middle school is B Division. You can learn event overviews, view practice tests, past event workshops, etc. Please also feel free to reach out to Mrs. Theisen for questions!
* November 1st-There is a VIRTUAL workshop for each event hosted by the county that will answer many, if not all questions on your event!

**Contact**
Wyandot Head Coach: Katie Theisen (Wyandot ELA teacher)
Email: ktheisen@cvs.k12.mi.us Phone: 586-723-4275

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**Tryout information and To Do list:**

Science Olympiad is a parent and student supported commitment.

To be considered as a member of the 2025-2026 Wyandot Middle School Science Olympiad team, you MUST complete ALL items listed below! Make sure to read carefully and check that you have completed all items on the list and turn into Mrs. Theisen or the office no later than **3pm on October 17, 2025.**

* **Contact Information/ Practice Availability Form**
* **Parent Consent Form** Remember parents and students are what keeps the program working! This page should be filled out and signed by a parent acknowledging they understand what Science Olympiad is about and what they are committing to helping with.
* **Review the list of events-** look at the list of events in this packet. Think about which ones you would be a good fit for- consider what you are interested in, what you would like to learn more about, and what your parents are able to help you with!!! Think about balancing TWO events- one that is an event that you study for and one that is an event you DO something with! Head to the Science Olympiad website (Macombso.org) and click Secondary, Events. Middle school is B Division. Take a few minutes to review available events which appeal to you. View the event overview, rules, and practice tests. Click on National S.O. Event pages to watch available videos
* **2025-2026 Event Interest Form** (Top Choices 1-10)

**Parent Consent Form**

I, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(parent) give permission for my child \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(child) to be a member of the 2025-2026 Wyandot Science Olympiad Team.

Please Initial in the boxes below that you agree to the following items:

\_\_\_\_\_\_\_\_\_\_I commit to coaching at least one event, with my child and another child. (See both \* items below).

\*I understand this commitment is about 1-2 hours per week outside of school planning and preparing students for their events. This may not include finding additional materials that are needed to help students study for the events.

\*I understand that this also means getting my student to another parent coaches study sessions each week as well for a second event.

\_\_\_\_\_\_\_\_\_\_I commit to attending the Event Coach workshop on 11/01/25 virtually or watching the workshop at another time.

\_\_\_\_\_\_\_\_\_\_I understand that each event should have about 1-2 hours per week of practice and studying that is completed outside of school and school hours. I understand my child will be in two events, three in some cases.

**\_\_\_\_\_\_\_\_\_\_I commit to attending the Region 7 Tournament at Macomb Community College South with my child on Saturday, March 14, 2026. I understand this is an all-day event.**

**\_\_\_\_\_\_\_\_\_\_If our team advances, I commit to attending the State Tournament at Michigan State University with my child on April 25, 2026, as an all-day event.**

**2025-2026 Science Olympiad- Interest Form -DIVISION B**

**Please mark your top ten (1-10) choices in order of interest/preference (1 best, 10 least) next to the event.**

**\_\_\_\_\_ Anatomy & Physiology (B) -** Participants will be assessed on their understanding of the anatomy and physiology for the Nervous, Sense Organs, Endocrine.

**\_\_\_\_\_ Boomilever (B)-** Teams will design and build a cantilevered beam or truss structure that extends from a vertical testing wall and supports a load at a specified distance from the testing wall.

**\_\_\_\_ Circuit Lab (B) –** Participants must complete tasks and answer questions about electricity and magnetism.

**\_\_\_\_\_ Crime Busters (B) –** Given a scenario, a collection of evidence, &amp; possible suspects, students will perform a series of tests. Test results along with other evidence will be used to solve a crime and answer questions.

**\_\_\_\_\_ Codebusters (B) -** Teams will cryptanalyze and decode encrypted messages using cryptanalysis techniques for historical and modern advanced ciphers.

**\_\_\_\_\_ Disease Detective (B) -** Participants will use investigative skills in the scientific study of disease, injury, health and disability in populations or groups of people.

**\_\_\_\_\_ Dynamic Planet (B) -** Participants will demonstrate an understanding of the processes involving the cryosphere of the Earth including glaciers and other ice formations and processes. (Oceanography)

**\_\_\_\_\_ Entomology (B) –** Students will be asked to identify insects and selected

immature insects by order and family, answer questions about insects, and use or construct a dichotomous key.

**\_\_\_\_\_ Experimental Design (B) -** This event will determine a participant's ability to design, conduct and report the findings of an experiment entirely on-site

**\_\_\_\_\_ Helicopter (B) -** Prior to the tournament, teams will construct, collect data on test flights, analyze and optimize a free flight rubber-powered helicopter to achieve maximum time aloft.

**\_\_\_\_\_ Heredity (B) –** Teams will answer questions, solve problems, and analyze data pertaining to classic and molecular genetics.

**\_\_\_\_\_ Hovercraft (B)** – Prior to the competition, participants will design, construct, and calibrate a self-propelled air-levitated vehicle that moves down a track.

**\_\_\_\_\_ Machines (B) –** Teams will construct a lever-based measuring device prior to the tournament to determine the mass ratios between three test masses and complete a written test on simple and compound machine concepts.

**\_\_\_\_\_ Meteorology (B**) - Participants will use qualitative and quantitative analyses to demonstrate an understanding of the factors that influence world climate and climate change through the interpretation of climatological data, graphs, charts and images-(Everyday Weather)

**\_\_\_\_\_ Metric Mastery (B) -** Teams will estimate and then measure properties of identical

objects including mass, area, volume, density, force, distance, time, and temperature. Teams will also perform metric unit conversions.

**\_\_\_\_\_ Mission Possible (B)** - Prior to the competition, participants design, build, test, and document a Rube Goldberg®- like Device that completes required Start and Final Actions through a series of specific actions.

**\_\_\_\_\_ Potions and Poisons (B) –** This event is about chemical properties and effects of specified toxic and therapeutic chemical substances, with a focus on household and environmental toxins or poisons.

**\_\_\_\_\_ Remote Sensing (B)- New Event-** Participants will demonstrate an understanding of the basic principles of remote sensing and interpret imagery, data, and maps related to human interactions with land on earth.

**\_\_\_\_\_Rocks and Minerals (B)-** Teams will identify and classify rocks and minerals and demonstrate knowledge of how rocks and minerals help to understand geologic processes, interpretation of earth’s history, the development of natural resources, and use by society.

**\_\_\_\_\_ Solar System (B) -** Participants will demonstrate an understanding of late-stage stellar evolution and stellar remnants, and their observation across the electromagnetic spectrum.

**\_\_\_\_\_ Scrambler (B)** - Teams design, build, and test a mechanical device, which uses the energy from a falling mass to transport an egg along a track as quickly as possible and stop as close to the center of a Terminal Barrier without breaking the egg.

**\_\_\_\_\_ Water Quality (B) –** (Fresh Water ecology and Fresh Water macroinvertebrates) Participants will be assessed on their understanding and evaluation of freshwater aquatic environments.

 **\_\_\_\_\_ Write It Do It (B) -** One student will write a description of an object and how to build

it, and then the other student will attempt to construct the object from this description.

**Number of Events I am interested in competing (Select one below):**

**\_\_\_\_\_\_\_\_2 Events**

**\_\_\_\_\_\_\_\_3 Events**

**\_\_\_\_\_\_\_\_*May* *consider* more than 3 events, if unfilled**

-No more than 3 events will be assigned to a student. Additional events will only be chosen by students at the mandatory student/coach meeting.