

The background features a dark blue gradient with a starry space pattern. Overlaid on this are several faint, light-colored scientific diagrams. These include circular gauges with numerical scales (e.g., 140, 150, 160, 170, 180, 190, 200, 220, 230, 240, 250, 260) and various circular paths with arrows indicating direction. The overall aesthetic is technical and scientific.

SALINE HERITAGE SCIENCE OLYMPIAD

DECEMBER 3RD 2019 | HERITAGE ELEMENTARY

PRESENTED BY LISA AND JON SPENCER

(HEAD COACHES FOR SCIENCE OLYMPIAD)

<http://salineheritageso.weebly.com/>

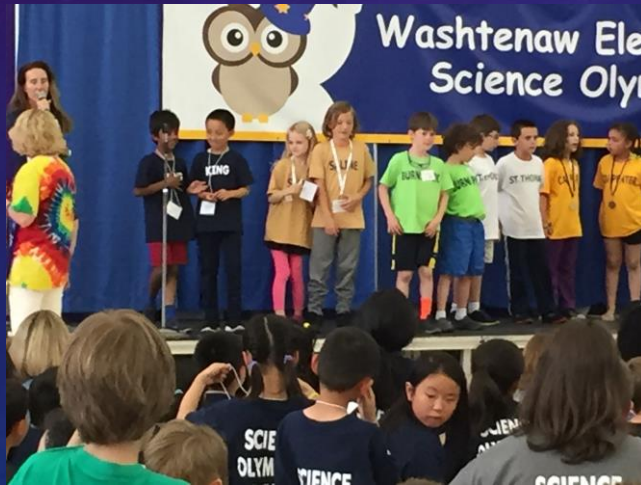
PRESENTATION AGENDA

1. Washtenaw Elementary Science Olympiad (WESO)
2. Events for Science Olympiad
3. Coaches, Teams, & How to Prepare
4. Details, Details, Details



WHAT IS WESO?

- WESO is the largest elementary Science Olympiad competition in the Country
- Over 2500 kids from grades 2-5 participate
- Over 40 schools from Washtenaw County



WHAT ARE THE GOALS OF SCIENCE OLYMPIAD?

- Increase student interest in science
- Foster the growth of student's knowledge of science and technology
- Science is fun!!



TEAM SPIRIT!

- Team work, group planning & cooperation
- Learning science through active hands on group work
- Make friends to last a lifetime



WHEN IS WESO?

Washtenaw Elementary Science Olympiad will be held on

Saturday, May 9th, 2020

Pioneer High School, Ann Arbor



SAMPLE EVENT SCHEDULE – (2019)

▶ 2nd grade

- Event times: 8:00 am – 11:00 am
Awards Ceremony: 11:15 am

▶ 3rd grade

- Event times: 11:00 am – 2:00 pm
Awards Ceremony: 2:15 pm

▶ 4th grade

- Event times: 1:00 pm – 5:00 pm
Awards Ceremony: 5:15 pm

▶ 5th grade

- Event Times: 4:00 pm – 8:00 pm
Awards Ceremony: 8:15 pm



EVENTS

THERE ARE 23 EVENTS IN 2020 WESO.

EVENTS REPRESENT THE VARIOUS SCIENCE DISCIPLINES SUCH AS BIOLOGY, EARTH SCIENCE, CHEMISTRY, PHYSICS, COMPUTERS AND TECHNOLOGY.



EVENTS: 2ND & 3RD GRADE

(EVENT DESCRIPTIONS CAN BE FOUND ON THE WESO WEBSITE)

- Aerodynamics
- Barge Building (2nd Grade Only)
- Estimania
- Geology Rocks!
- Gravity Racer
- iCompute
- Map Reading
- Mystery Architecture
- On Target
- Pasta Bridges
- Photon Phun
- Roots, Shoots, and Fruits
- The Human Machine
- To Infinity and Beyond
- What Went By?

EVENTS: 4TH & 5TH GRADE

(EVENT DESCRIPTIONS CAN BE FOUND ON THE WESO WEBSITE)

- Circuit Wizardry
- Feathered Friends
- GENE-ius
- Hang Time (3rd-5th Grade)
- iCompute
- Mystery Architecture
- On Target
- Photon Phun
- Potions
- The Plot Thickens!
- To Infinity and Beyond
- Write it, Build It
- Zip-A-Dee-Doo-Dah

EVENT CHANGES IN 2020

- **Estimania** is only for Grades 2 & 3.
- **Feathered Friends** is only for Grades 4 & 5.
- **Geology Rocks!** is for Grades 2, 3 & 4.
- **iCompute** has been expanded to include all grades.
- **Map Reading** is only for Grades 2 & 3.
- **The Human Machine*** is a new event for Grades 2 & 3, replacing 'No Bones About It'. The Human Machine will focus on a different organ system every year. For 2020, the focus is on the musculoskeletal system (so, save the skeleton!).
- **The Plot Thickens!*** is a new event for Grades 4 & 5. Students will be asked to interpret and create visualizations of data.
- **Roots, Shoots, and Fruits*** is a new event replacing 'In Bloom' with a fresh, updated, interactive experience for Grades 2 & 3.
- **What Went By*** marks the return of a popular event involving the identification and description of animals of Michigan in a story-based hike through our local ecosystems.

COACHES



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WHO CAN BE A COACH?

- Just about anyone!
- **NEED NOT** be an expert in the field



WHAT ARE THE COACHES' RESPONSIBILITIES?

- Hold practices regularly – recommended once a week starting in February until tournament in May
- Attend the WESO coaches meeting (January 29, 2020)



COACHES' RESPONSIBILITIES



- Keep attendance
- Create an afterschool and/or weekend practice schedule that works for members of that group
- Communicate with the head coaches regularly! Let us know how practices are going, who is attending, and if you need support or materials, etc.

RESOURCES FOR COACHES

- If you are a returning coach, please return your materials from last season so we can refresh them
- We will be picking up the new materials WESO is providing for this year on January 29, 2020
- Coaches should print out and read the detailed event descriptions from the WESO website
- We can provide resources and study materials from last year
- Check the WESO website for workshop opportunities, some just for coaches and some for you with your Olympians

HOW SHOULD YOUR TEAM PREPARE FOR THE OLYMPIAD?

- Learning the material
 - Practice for the competition using ALL of your resources.
 - Practice with sample questions and use your resources to answer them.
 - Remember that the events are timed and learn to use time effectively



PREPARING FOR THE EVENT

- Use a timer when attempting to locate information and answer questions.
- Modify the information as you use it to make it more efficient.
- Learn as much of the information as possible



TEAM WORK SKILLS

- Use time effectively!
- Assign tasks and trust your partner's skills.
- Identify and utilize the strengths of each team member.
- Practice working as a team.



TEAM WORK SKILLS

- Practice under competition conditions.
- Practice effective methods of using the strength of each team member to maximize the use of allotted time.
- Make up sample questions and stations to practice completing tasks within an assigned time limit.



SALINE SCIENCE OLYMPIAD

- Starting the first week of April, we will run a practice Olympiad at their normal practice times. This will allow the participants a chance to get a feel for what the competition will be like.



TEAMS



<http://salineheritageso.weebly.com/>

TEAMS

TEAMS

- We are allowed to form one competition team per event, per grade (grades 2-5).
- 23 events = lots of opportunities!
- There are even events where a team with just one student can participate



GOALS

The Science Olympiad and WESO are devoted to improving the quality of science education, increasing student interest in science, and providing recognition for outstanding achievement in science education by both students and teachers.

These goals are achieved through participation in Science Olympiad tournaments and in-school and after-school activities.



WITH THESE GOALS IN MIND, HOW WILL TEAMS BE FORMED?

- To encourage all student's interest in science, we do not want to limit the number of students who practice for an event.
- Each event has a maximum number of students who can compete on the day of the event.
- The decision as to who will represent the team in the competition will be up to the head coaches and the event coach.



TEAMS THAT WILL COMPETE ON MAY 9TH WILL BE SELECTED BY THE HEAD COACHES USING THE FOLLOWING CRITERIA, IN THIS ORDER:

1. Student desire to compete in the event;
2. Coaches' child will receive priority over the other participants;
3. Any potential event scheduling conflicts;
4. Participation in the practices and feedback from each event coach;
5. Performance on practice event in April.

DETAILS, DETAILS, DETAILS

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2020 TENTATIVE TIMELINE

- December 2019 – January 2020: Formation of initial event teams
- January 29, 2020: Event Coaching Meeting with WESO
- February 2020: Practices begin
- Early April 2020: Saline Practice Olympiad
- May 9, 2020: Washtenaw Elementary Science Olympiad!!!

DETAILS, DETAILS

- Estimated contribution of \$25/student
 - T-Shirt, Raffle Prize for the tournament, Materials
- Forms
 - Background check form for volunteers
 - Medical Emergency Form
 - Student/Parent Code of Conduct Pledge
- Volunteers for the tournament
 - One for every three kids up to 25 participants
 - One for every two kids past 25 participants

WHAT IS THE TIME COMMITMENT?

- We encourage the students to participate in whatever events interest them.
- With that, we use this rule of thumb – please expect to spend at least two hours per week, per event practicing. One hour of team practice and at least an hour studying/ practicing on their own.
- We suggest students aim for between 1-3 events in the season.

WHEN/WHERE ARE THE EVENT PRACTICES?

- The event practices should begin at the end of January/beginning of February.
- Their time and location will be determined by the event coach and the event participants.
- We will reserve two rooms at Heritage for after school practices during the week. Other resources include the Saline library or a team member's house (if that is acceptable for all event participants).

PARENT INVOLVEMENT



WESO is a purely volunteer run organization. Because of this, we ask that if a parent is not able to help coach an event that they please sign up to be a volunteer on the day of the Olympiad.

Friends and relatives are welcome to volunteer for the Olympiad!

VOLUNTEER OPPORTUNITIES

- Setup for WESO – Friday, May 8th
- Day of WESO Tournament – Saturday, May 9th
- Cleanup – Saturday, May 9th
- Provide Donations for Fundraisers
 - Raffle Baskets
 - Baked Goods

TOURNAMENT DAY VOLUNTEERS

With more than 2000 students participating, many volunteers are needed to assure they get where they need to be, and to help set up and run the testing areas.

- ▶ A minimum of 1 volunteer is needed for every 3 students participating.
- ▶ Individuals may not volunteer for slots in events for which they are coaches or have their own child participating
- ▶ For 2020, all volunteers should be over 18 years old.
- ▶ Volunteers must be careful to check awards ceremony times so they do not miss their student's ceremony.

TOURNAMENT DAY VOLUNTEERS

Due to the competitive nature of the tournament, WESO volunteers must commit themselves to their positions. A WESO volunteer position is different from a typical elementary school volunteer position!

For example:

- ▶ Volunteers may not substitute with others, or share/split a shift.
- ▶ Volunteers may not leave during their shift.
- ▶ Children may not accompany volunteers to their posts.

HOW TO CONTACT US

- <http://salineheritageso.weebly.com>
- salineheritageso@gmail.com
- Facebook: @salineheritageso

<http://salineheritageso.weebly.com/>

QUESTIONS?



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