

2021 Saline Heritage Science Olympiad
Open to all 2nd-5th graders
Kick-Off Meeting
December 15, 2020





Welcome!

Jon & Lisa Spencer

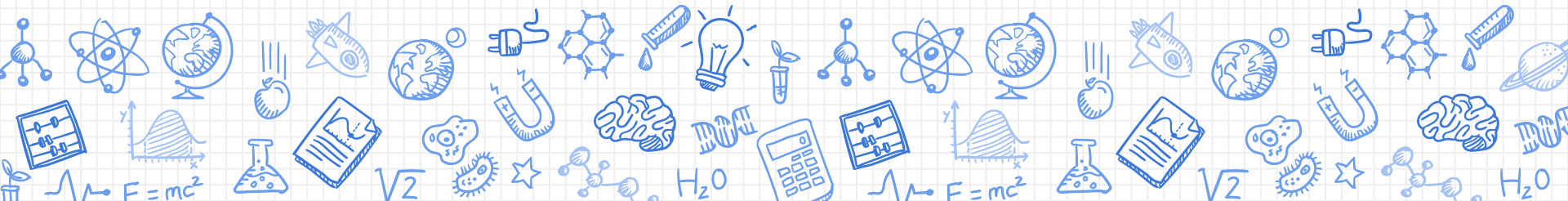
Head coaches for Saline Heritage Science Olympiad
Open to all Saline 2nd-5th grade students

salineheritageso@gmail.com or
salineheritageso.weebly.com



What is the Washtenaw Elementary Science Olympiad?

(or WESO for short)





WESO (during a normal season)

WESO is a non-profit organization that facilitates science education enrichment for elementary school students in Washtenaw County.

- ✘ Largest Elementary Science Olympiad competition in the country!
- ✘ Over 2,500 students from grades 2-5 participate from over 40 schools!
- ✘ Over 20 different Science and Engineering events!



The Goals of SciOly

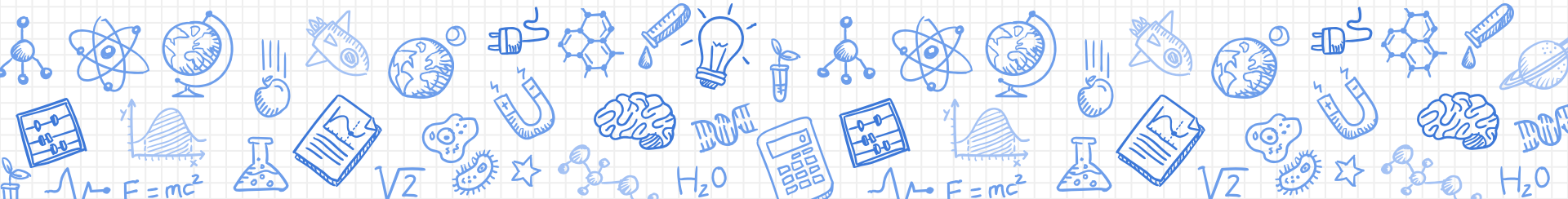
- ✗ Increase interest in science and engineering
- ✗ Foster growth of the student's knowledge in the sciences
 - ✗ Make science fun!!!

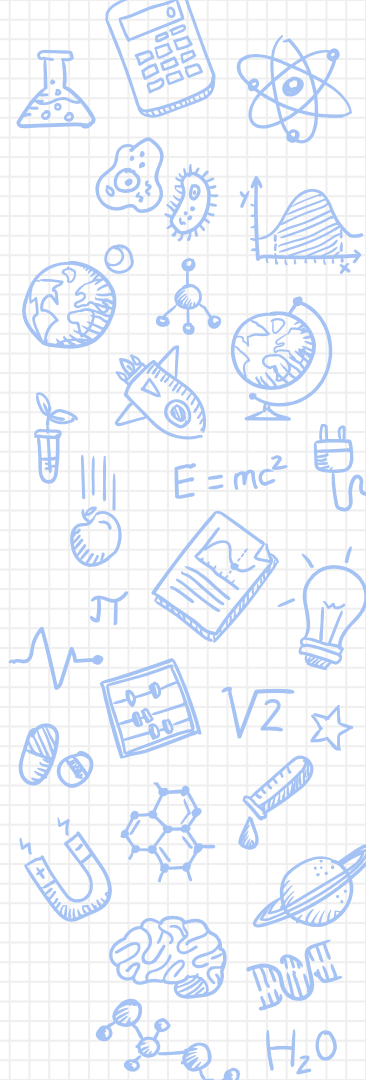


Team Spirit!

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

So how are things different for 2021?





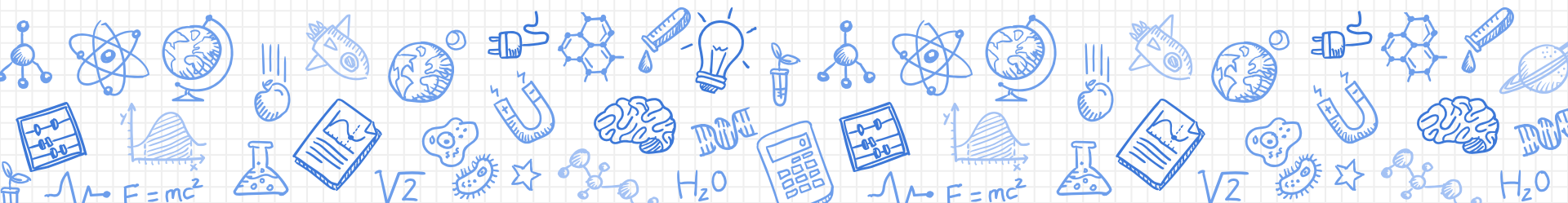
Considerations from the WESO Board

1. Commitment to the WESO mission by continuing to foster enthusiasm for science
2. Impact of COVID on the schools
 - ✗ Uncertainty of what May 2021 will look like
 - ✗ Logistics of compiling traditional teams
3. 2021 Model
 - ✗ Virtual Learning - Participation v. Competition
 - ✗ Awareness of screen time and family schedules
 - ✗ Goal of reducing burden on parents and coaches
 - ✗ Promote equal playing fields for all students

WESO 2021 Format

Eligible for students Grades 2-5

Simple, fun, hands-on, minimal screen time, project-based



Each month a new scientific topic will be introduced to students from the Saline Head Coach

January 2021

Trending Today

How to acquire, plot and analyze data with a weather and sports theme.

April 2021

Light Your Way to the Moon!

Learning about the moon and the properties of light.

February 2021

All About You

Studying human anatomy, genetics, and diseases.

May 2021

Back to Nature

Studying birds, animal tracks, plants, and much more!

March 2021

We Can Build It

Learning and practicing engineering and physics concepts.





WESO 2021



January's Theme: *Trending Today!*

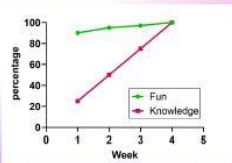
Description: This event will introduce the concepts of **Math** and **Data Visualization**, and combines concepts from the traditional WESO events **Estimania**, **Map Reading**, and **The Plot Thickens**.

Format: Weekly **virtual learning modules** (approximately 20 minutes each) containing theme-related information, video links, and at-home activities will be provided to participating students. Students must complete **one listed activity per week + the online assessment** given at the end of month to successfully complete the event.

Who: Any interested students (**grades 2-5**) from participating schools. Themes will be broken up into materials geared towards grades 2 & 3 and 4 & 5.

Module and Activity Posting Schedule:

- Week 1: *Making Measurements*
- Week 2: *Plotting One Thing At a Time*
- Week 3: *The Plot Thickens!*
- 1/30: *Online assessment using PearDeck*



Materials: Activities will use **common household materials** and options requiring nothing more than a paper and pencil will be offered. Material lists will be posted on the WESO website a week prior to month's start.

Recognition: Each participating student will receive **one limited-edition WESO lanyard**. In addition, each month students who successfully complete the assigned activities and demonstrate proficiency via an online assessment, will receive a **themed event pin**.

Contact your school's WESO Head Coach to register for this event.



WESO 2021



February's Theme: *All About You!*

Description: This event will introduce the concepts of **Heredity**, **Anatomy**, and **Health** and combines concepts from the traditional WESO events **GENEius**, **The Human Machine** and **Disease Detectives**.

Format: Weekly **virtual learning modules** (approximately 20 minutes each) containing theme-related information, video links, and at-home activities will be provided to participating students. Students must complete **one listed activity per week + the online assessment** given at the end of month to successfully complete the event.

Who: Any interested students (**grades 2-5**) from participating schools. Themes will be broken up into materials geared towards grades 2 & 3 and 4 & 5.

Module and Activity Posting Schedule:

- Week 1: *Where Did You Get Those Eyes!*
- Week 2: *How to Build a Body*
- Week 3: *Maintaining the Machine*
- 2/27: *Online assessment using PearDeck*



Materials: Activities will use **common household materials** and options requiring nothing more than a paper and pencil will be offered. Material lists will be posted on the WESO website a week prior to month's start.

Recognition: Each participating student will receive **one limited-edition WESO lanyard**. In addition, each month students who successfully complete the assigned activities and demonstrate proficiency via an online assessment, will receive a **themed event pin**.

Contact your school's WESO Head Coach to register for this event.



WESO 2021



March's Theme: *We Can Build It!*

Description: This event will introduce the concepts of **Building** and **Engineering** and combines concepts from the traditional WESO events **Aerodynamics**, **Barge Building**, **Straw Towers**, and **Mystery Architecture**.

Format: Weekly **virtual learning modules** (approximately 20 minutes each) containing theme-related information, video links, and at-home activities will be provided to participating students. Students must complete **one listed activity per week + the online assessment** given at the end of month to successfully complete the event.

Who: Any interested students (**grades 2-5**) from participating schools. Themes will be broken up into materials geared towards grades 2 & 3 and 4 & 5.

Module and Activity Posting Schedule:

- *Module 1 posted the week of March 8*
- *Module 2 posted the week of March 15*
- *Module 3 posted the week of March 22*
- *Online assessment using PearDeck given March 27*



Materials: Activities will use **common household materials** and options requiring nothing more than a paper and pencil will be offered. Material lists will be posted on the WESO website a week prior to month's start.

Recognition: Each participating student will receive **one limited-edition WESO lanyard**. In addition, each month students who successfully complete the assigned activities and demonstrate proficiency via an online assessment, will receive a **themed event pin**.

Contact your school's WESO Head Coach to register for this event.



WESO 2021



April's Theme: *Light Your Way to the Moon and Back*

Description: This event will introduce the concepts of **Light and Shadows** combined with observation and learning around the **Moon**, **it's cycles**, and other **celestial events**. This event combines concepts from the traditional WESO events **Photon Phun** and **To Infinity and Beyond**.

Format: Weekly **virtual learning modules** (approximately 20 minutes each) containing theme-related information, video links, and at-home activities will be provided to participating students. Students must complete **one listed activity per week + the online assessment** given at the end of month to successfully complete the event.

Who: Any interested students (**grades 2-5**) from participating schools. Themes will be broken up into materials geared towards grades 2 & 3 and 4 & 5.

Module and Activity Posting Schedule:

- *Week 1: Light and Shadows*
- *Week 2: The Nature of Light & Energy from the Sun*
- *Week 3: Our Space: Sun, Moon, Stars & Satellites*
- *4/24: Online assessment using PearDeck*



Materials: Activities will use **common household materials** and options requiring nothing more than a paper and pencil will be offered. Material lists will be posted on the WESO website a week prior to month's start.

Recognition: Each participating student will receive **one limited-edition WESO lanyard**. In addition, each month students who successfully complete the assigned activities and demonstrate proficiency via an online assessment, will receive a **themed event pin**.

Contact your school's WESO Head Coach to register for this event.



WESO 2021



May's Theme: *Back To Nature!*

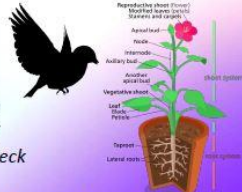
Description: This event will introduce the concepts of **Plants, Animals,** and **Ecology** and combines concepts from the traditional WESO events **Back to Nature, Feathered Friends, Roots, Shoots, & Fruits,** and **What Went By?**

Format: Weekly **virtual learning modules** (approximately 20 minutes each) containing theme-related information, video links, and at-home activities will be provided to participating students. Students must complete **one listed activity per week + the online assessment** given at the end of month to successfully complete the event.

Who: Any interested students (**grades 2-5**) from participating schools. Themes will be broken up into materials geared towards grades 2 & 3 and 4 & 5.

Module and Activity Posting Schedule:

- *Module 1 posted the week of May 3*
- *Module 2 posted the week of May 10*
- *Module 3 posted the week of May 17*
- *5/22: Online assessment using PearDeck*



Materials: Activities will use **common household materials** and options requiring nothing more than a paper and pencil will be offered. **Material lists** will be posted on the WESO website a week prior to month's start.

Recognition: Each participating student will receive **one limited-edition WESO lanyard**. In addition, each month students who successfully complete the assigned activities and demonstrate proficiency via an online assessment, will receive a **themed event pin**.

Contact your school's WESO Head Coach to register for this event.

WESO 2021 Schedule

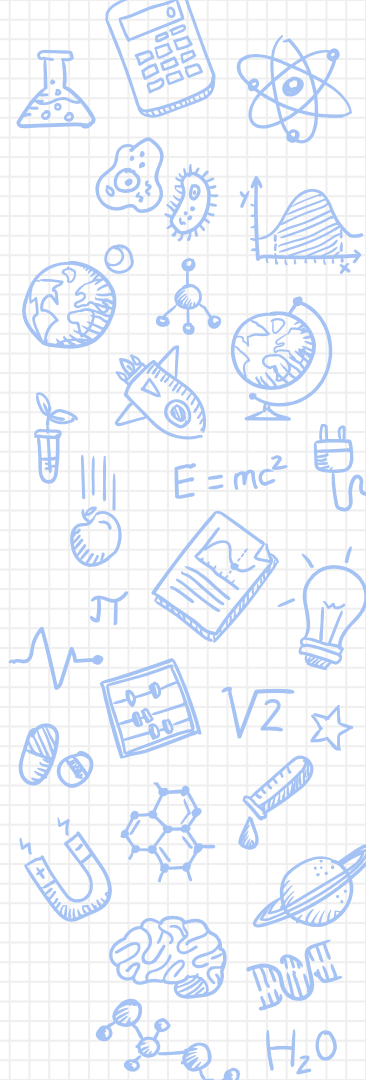
- ✘ We will be distributing the materials to the Olympians each week.
- ✘ The materials will be learning modules as well as hands-on activities.
- ✘ At the end of the month there will be an online assessment for proficiency in the topic.





Learning Resources

- ✘ All materials will be designed for self-learning.
- ✘ Each week will have 1-2 WESO developed videos or slideshows (approx. 20 minutes long) that students can view at their own pace and as often as needed.
- ✘ No event coaches are required (but parents may need to lend their Olympians a hand)!



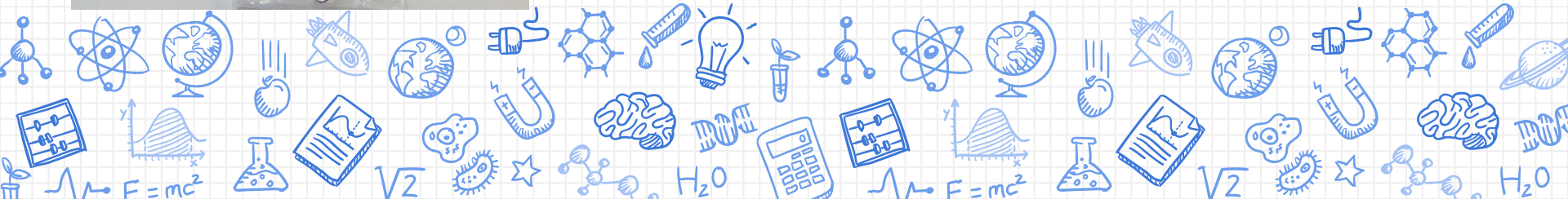
Hands-On Content

- ✘ Each topic will include a required hands-on activity to use science, observe, record and make inferences.
- ✘ Students will need to choose at least one hands-on activity per topic.
- ✘ All activities are designed to be completed with common household items.



Students will be awarded a WESO lanyard when completing their first topic

For each month in which the students complete their topic, they will earn a themed pin for their lanyard.



End of Each Topic Month

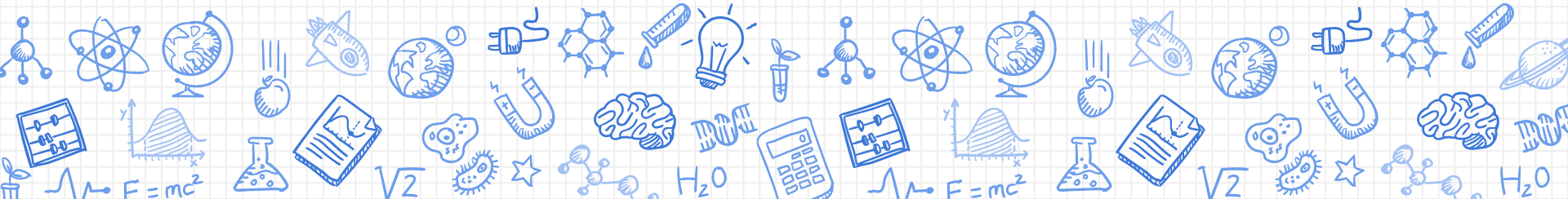
For students to receive their subject pin for completion, they will have to:

1. Submit their hands-on activity to us; and
2. Complete an online exam via Peardeck on the last Saturday of the month. There will be multiple sessions on that day to take the exam.





Details, Details, Details





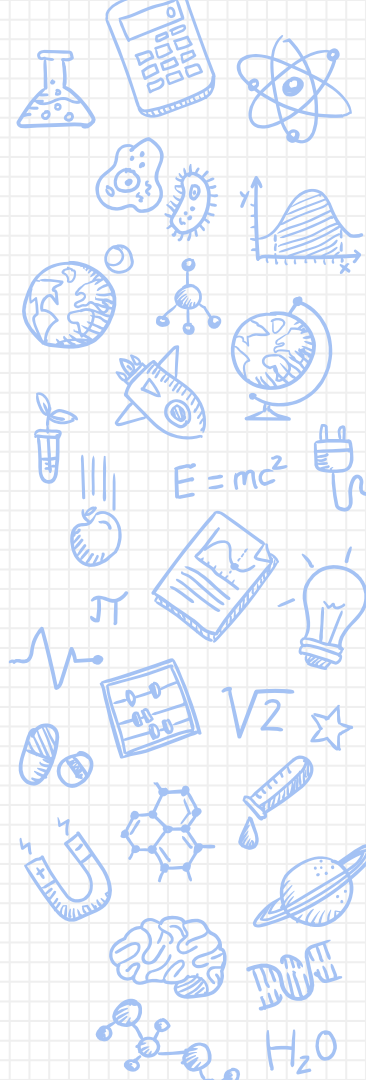
Time Commitment

- ✘ WESO estimates that students will spend 1-2 hours per week on their topic plus 30 minutes at the end of the month for the assessment.
- ✘ Of course, we aren't going to stop the kids if they want to spend more time learning!!
- ✘ We will be holding a short, weekly check-in zoom meeting to answer questions and help if needed.



Cost

- ✘ \$10 per student for all five months. Students are not required to participate in all five topics, by why wouldn't they want to?
- ✘ This will include a 2021 Saline Science Olympiad t-shirt.



Registration

If you are interested, please visit our website to register your Olympian.

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

Please be sure to include an email you regularly check as 99% of our communication to you will come through email.



For More Information

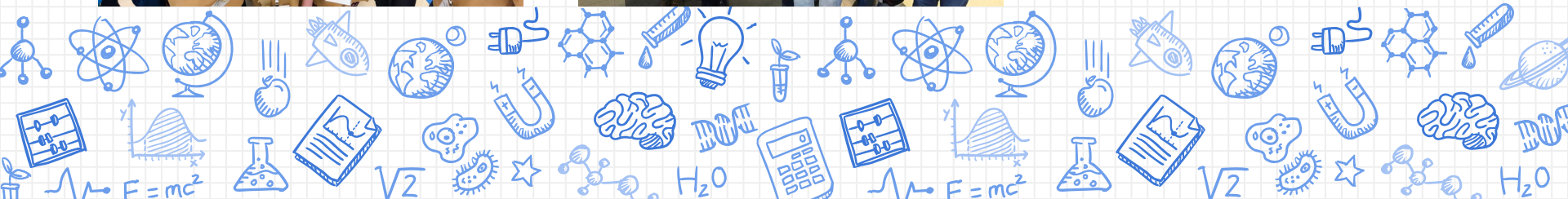
Our Website:

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

WESO Website: <https://wesoscience.org/>



Questions?





THANKS!

Jon & Lisa Spencer

salineheritageso@gmail.com