

Before we begin:

- We want to know who is here! Please introduce yourselves in the chat with your name and school.
- Please mute your microphone to reduce background noise.
- We will leave time for Q&A. Please submit your questions via the Google form that will be shared in the chat.
- The presentation along with the Q&A will be posted to the WESO website.

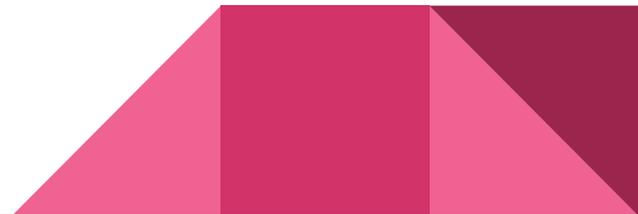
WRITE IT, BUILD IT

WESO 2022

Event Supervisors: Kinga Benkes & Frances Yeh

Goals for Write It, Build It

- Communication - strengthen both writing and reading skills
- Teamwork
- Have fun!



Concepts Covered

- Spatial orientation including location, orientation and relative position to other objects.
 - Technical writing for clarity and understanding.
 - Ability to understand and follow written instructions.
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EVENT FORMAT

Detailed event description can
be found at
<http://wesoscience.org/events/>

- Grades: 4 & 5
 - Team Size: 4 maximum (1-2 to write, 1-2 to build)
 - Duration: 25 minutes to write, 25 minutes to build
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Event Format

Overview:

- Writers have 25 minutes to write out the description of the “picture”
 - Builders will wait in a separate room for the writers to complete the written description of the “picture”
 - Builders will have 25 minutes to construct the “picture” using the writers’ description
 - The team that builds the “picture” the closest to the original wins
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RULES OF THE EVENT

Rules of the Event

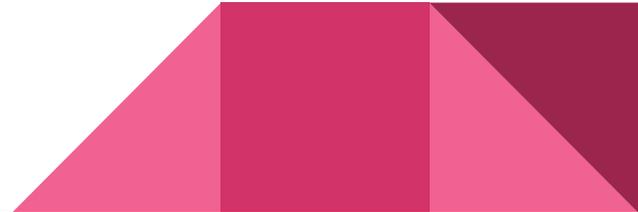
Writers Room

Writers will go into a room with the “picture” displayed on an easel for all writers to observe.

Pencils, erasers, and unlimited lined notebook paper will be provided.

Writers will have 25 minutes to write down a description of the “picture.”

They will be timed; starting time and ending time will be signaled and will be given a warning before their time is up. At the end of 25 minutes writing time, all writers will be released at once.



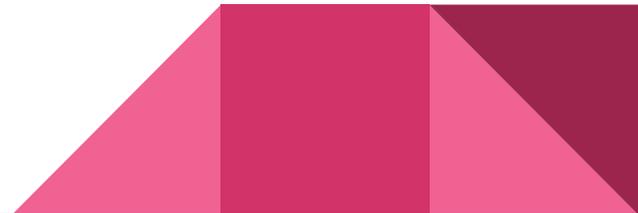
Rules of the Event (continued)

Writers **MUST** write the school name on the lined paper.

Numbers (1, 2, 3, etc.) can be used in the written description.

Diagrams or any kind of drawing are not allowed to be used in the written description.

Writers will be given a ziploc bag with the items. Items must stay in the bag and cannot be opened!



Rules of the Event (continued)

Picture will be revealed at the start of the 25 minutes for the writers.

The picture is displayed and observable on the easel for the entire 25 minutes the writers have.

Writers can talk quietly to each other.

No makeshift ruler of any type can be used. Writers can eyeball distance, estimate with their fingers, use part of the pencil. Come up with a measure system for your team.



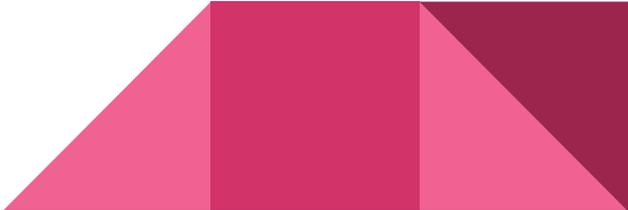
Rules of the event (continued)

Builders Room

Builders will be placed in a separate room where they are not able to see the “picture.”

Builders will be given the description written by their writer teammates. Builders have 25 minutes to construct the “picture” using their writer teammate’s description. Starting and ending time will be signaled. Builders will be given a 5 minute warning before the 25 minutes are up.

Builders will build the “picture” on a piece of paper supplied to them as well as a bag of materials



Rules of the event (continued)

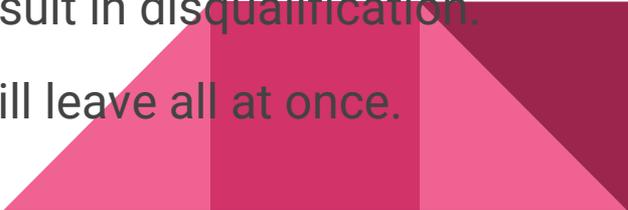
Builders should write the word “TOP” on the side of the paper that corresponds to the top of the “picture.” They should also write their school name on the paper. If the words “TOP” and their school name gets covered up by objects, they should write it again in a spot where it is visible.

No “TOP” written visibly results in disqualification. Incorrect orientation will result in disqualification.

No school name written visibly will result in no points.

Any other markings or words on the building paper will result in disqualification.

At the end of the 25 minutes building time, the builders will leave all at once.



WHAT IS THE “PICTURE”?

The “picture” consists of objects placed on top of a piece of paper (12x18).

The “picture” is different for each grade level and will become progressively more difficult for each grade and include more individual objects.

MATERIALS

Writers will be given pencils, erasers, and unlimited lined paper.

A ziploc bag with the items from the “pictures”. Writers can only view through the bag. Builders will use these items to build.

Builders will get a sheet of 12x18 construction paper to build “picture” on.

MATERIALS



MATERIALS



MATERIALS



SCORING

The team that builds the picture nearest to the original is declared the winner. For each object one point will be given if placed in the proper location, one point for orientation and one point for relativity to other objects.

TIE BREAKER

A selection of pre-determined items will be doubled in points. The items will be the same for all teams. The score after doubling points will be used to break a tie in a placement.

PREPARATION TIPS

Preparation Tips

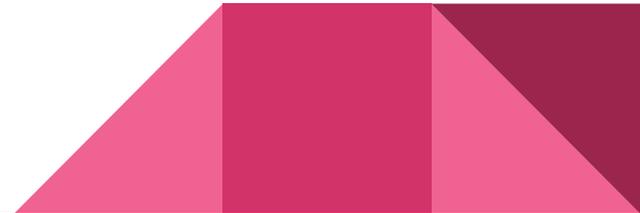
- Use a variety of household or school items and items from the Scrap Box for practice.
 - Instruct the students to first give the orientation for the picture (landscape or portrait). This will be important for the whole scoring process.
 - Start with only a few objects. Have a “picture” built by the coach and have the writers practice writing down the description and builders reading the description and building the “picture”. Switch roles during practice so the students will experience both the writing and the building.
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Preparation Tips (continued)

- Develop a system to identify where each item is located in the “picture”: Quadrants, map directions, a coordinate system, a clock face, finger measurement, picking one object and measure the others to and from that one, etc. Be creative and remember that the “picture” may not fit exactly into your measure system, so you want the students to think creatively and have the flexibility to decide which method or combination of methods will work best.
 - Look at the “picture” as a whole, of what it looks like. I.e. a flower, a face, a house, or a circle. Write it down in the description as a helper hint in addition to the description of the individual objects.
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Preparation Tips (continued)

- Review names of shapes
- Don't forget that the items being placed also need to be in the proper orientation and relative to other objects. An example of orientation might be "Put the colored side up". Relativity implies there might be objects stacked or layered. While the writers will be looking at the picture in a upright position, the builders will be recreating it on a flat surface such as a table or the floor.



Questions can be emailed to:

weso.events@gmail.com

Enter the event title in the subject line. Answers will be posted on the WESO Blog. Sign up for the blog posts at wesoscience.org.