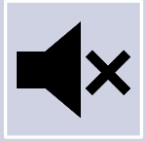


BEFORE WE BEGIN:



Please mute your microphone to reduce background noise.



We would like to know who is attending. Please introduce yourself in the chat by sharing NAME and SCHOOL.



We will leave time for Q & A. Please submit your questions via the Google form that will be shared in the chat.



This presentation, along with the questions and answers, will be posted on the WESO website.

wesoscience.org



- 1 Read recipe
- 2 Read recipe, again
- 3 Gather ingredients & equipment



- 6 Read recipe, again

READ IT/BUILD IT

WESO 2022

EVENT SUPERVISORS

Maisha Ostergren

Patricia Pacania



01

**SPATIAL
ORIENTATION
LITERACY**

What goes where?
Location, orientation
and position relative to
other things.



02

**SCIENTIFIC
LITERACY**

**How do I execute the
plan?** Successfully
comprehending and
following directions or
instructions.



03

TEAMWORK

**How do we work
towards a common
goal together?**
Develop roles and skills
so that we achieve our
goal as a team.



04

FUN

**How can learning
a new skill be
fun?** Following
instructions can be
fun when we build
together.

EVENT GOALS

Calvin and Hobbes by Bill Watterson for April 19, 1988



EVENT FORMAT

GRADES: 2 and 3

TEAM SIZE: 1-2 participants (per grade)

DURATION: 30 minutes

The detailed event description can be found at: <https://wesoscience.org/events/>

EVENT FORMAT

Overview

- ❖ This event is designed to challenge a team's ability to comprehend and follow instructions.
- ❖ Teams will be given a set of materials and instructions to build objects that form a "picture".
- ❖ Each team will be given 30 minutes to build the "picture".
- ❖ The team that is the closest to successfully creating the "picture" will win.
- ❖ An Advanced Task will be built into the event for all teams to complete. Advanced Task points will only be counted in the event of a tie.

CONCEPTS AND STARTER VOCABULARY LIST

DIRECTIONAL & ORIENTATION



- ❖ **Cardinal** – North, South, East, West.
- ❖ **Relative** – In, Out
- ❖ **Diagonal** – NE, SW
- ❖ **Facing** – Left, Right
- ❖ **Location** - Above, Behind
- ❖ **Orientation** – Upside Down

MATH - GEOMETRY



- ❖ **2D shapes** – Circle, Rectangle
- ❖ **3D shapes** – Sphere, Cone
- ❖ **Curvatures** – Bends, Twists
- ❖ **Lines** – Segment, Parallel Horizontal,

COMMON INSTRUCTIONS



- ❖ **Create**
- ❖ **Attach**
- ❖ **Place**
- ❖ **Combine**



EXAMPLE 2ND GRADE



Instructions

1. Use all materials to construct picture.
2. Start with the yellow paper in the **landscape orientation**. Take **top** left corner of paper and place it on the top right corner to fold it in half.
3. **Create** a circle using the black fuzzy stick. **Place** circle in the bottom center of yellow paper. Make sure the circle is lined up with the **bottom edge** of the paper.
4. Turn red cup upside down. Place cup in the **center** of the circle you created.

EXAMPLE 3RD GRADE



Instructions

1. Use all materials to construct picture.
2. Make sure green paper is in the **landscape orientation**. Fold the paper **lengthwise** in half.
3. On the **left edge** of the paper, **locate** the center. Place first black “gear” right side up along the center left edge of paper.
4. Place the next “gear” to the right of the first “gear”. It should be a little lower than the first gear to start a **zig zag** line. Use all the “gears” to finish the line.
5. Turn the blue tube **upside down**. **Lay** the tube on its side so that it forms a vertical line on the paper and is one gear width to the right of the zig zag line. The bottom of the tube should **line up** to the bottom edge of the last “gear”.

SCORING

- ❖ The team with the most correctly placed objects will have the highest score and declared the winner.
- ❖ There are three possible points for each object in the “picture”
 - One point for location
 - One point for orientation
 - One point for its relativity to other objects
- ❖ Advanced Task -- One object or one instruction will present an advanced challenge to the teams that will require them to “mentally stretch” to correctly place the object in the “picture”. The ADVANCED TASK will only count when we need to BREAK A TIE.

COACHING ADVICE

- ❖ Use each practice session to build up vocabulary.
- ❖ Practice any type of activity that requires instructions – Advance Simon Says, a treasure hunt, constructing with Lego or other construction set, getting through a maze.
- ❖ Use clear, precise instructions. Avoid overthinking. Encourage them to ask clarifying questions to make sure they are interpreting directions.
- ❖ Avoid overcoaching your team!
- ❖ Encourage them to support each other and recognize each other's role and contribution.
- ❖ Most importantly, have fun with this!



RodF613
@RFarr613

Replying to @Calvinn_Hobbes

I always read the instructions... following them? Well?

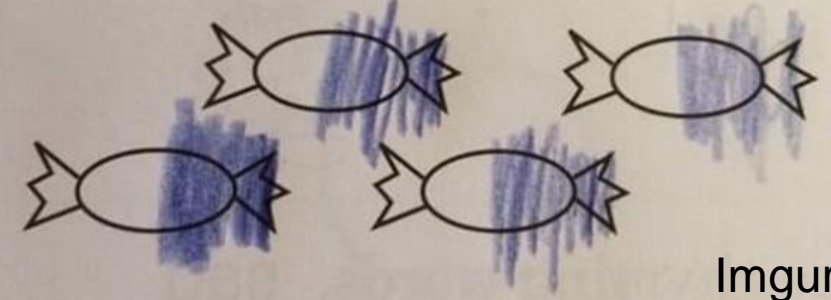


9:52 AM · Dec 27, 2018 · Twitter for Android

3 Likes

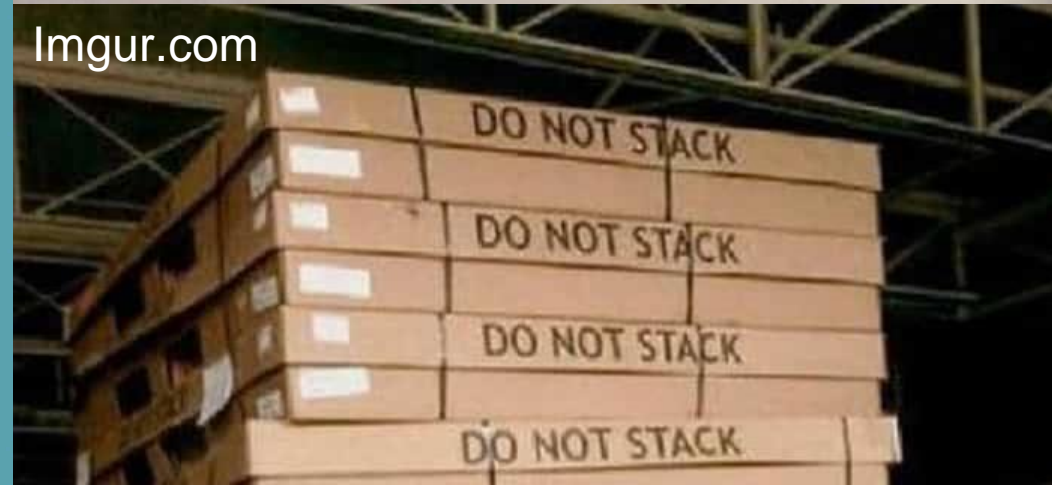
5

Colour half the sweets.



Imgur.com

Imgur.com



QUESTIONS AFTER TONIGHT?

Please submit questions about this event to weso.events@gmail.com. Enter the event title in the subject line. Answers will be posted on the WESO Blog. You can sign up to receive the blog posts at wesoscience.org.



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FOLLOW WESO

- ❖ Please submit your questions now using the Google form that was shared with you in the chat.
- ❖ We will answer live and post all questions and written answers to the website following the meeting.



QUESTIONS
NOW?

THANK YOU for serving as an event coach and helping us bring back WESO to our community!