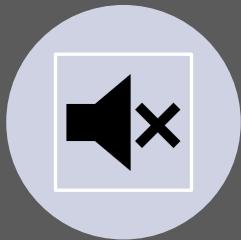


# EVENT OVERVIEW



- ❖ 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 with the most correctly placed items will have the highest score and declared the winner.
- ❖ 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.

# 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.



[wesoscience.org](http://wesoscience.org)



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.

# READ IT BUILD IT

## WESO 2026

EVENT SUPERVISORS

Koen Verbrugghe

Maisha Ostergren

Patricia Pacania

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



- 6 **Read recipe, again**

# EVENT GOALS



**01**

## SPATIAL ORIENTATION LITERACY

**What goes where?**  
Location, orientation and placement of items to build a picture.



**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 FORMAT

GRADES: 2 and 3

TEAM SIZE: 1-2 participants (per grade)

DURATION: 30 minutes



# 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
- ❖ Rotate
- ❖ Align

## EXAMPLE 2<sup>ND</sup> GRADE OBJECT

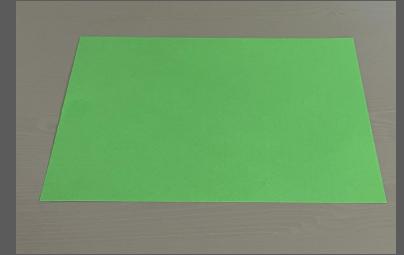
### Instructions

1. Use all materials to build this object.
2. Start with Item 1 in the **landscape** orientation. Match **top** left corner of paper to the top right corner and fold it in half.
3. **Create** a circle using Item 2. **Place** circle in the bottom center of green paper. Make sure the circle is lined up with the **bottom edge** of the paper.
4. Turn Item 3 **upside down**. Place Item 3 in the **center** of the circle you created.



## ITEM KEY

**ITEM 1:  
Green  
Paper**



**ITEM 2:  
Fuzzy  
Stick**



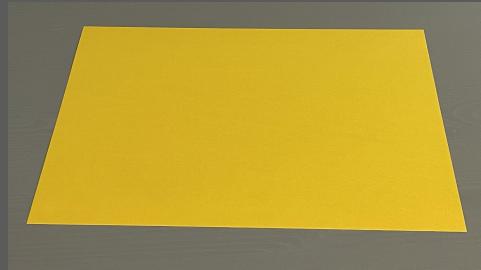
**ITEM 3:  
Purple Cup**



# EXAMPLE 3RD GRADE OBJECT

## ITEM KEY

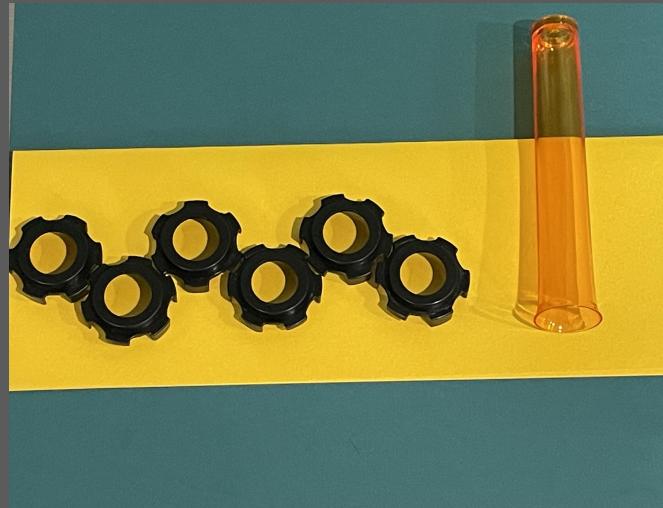
**ITEM 1:**  
**Yellow  
Paper**



**ITEM 2 -7:**  
**5 black  
gears**



**ITEM 3:**  
**Orange  
Tube**



### Instructions

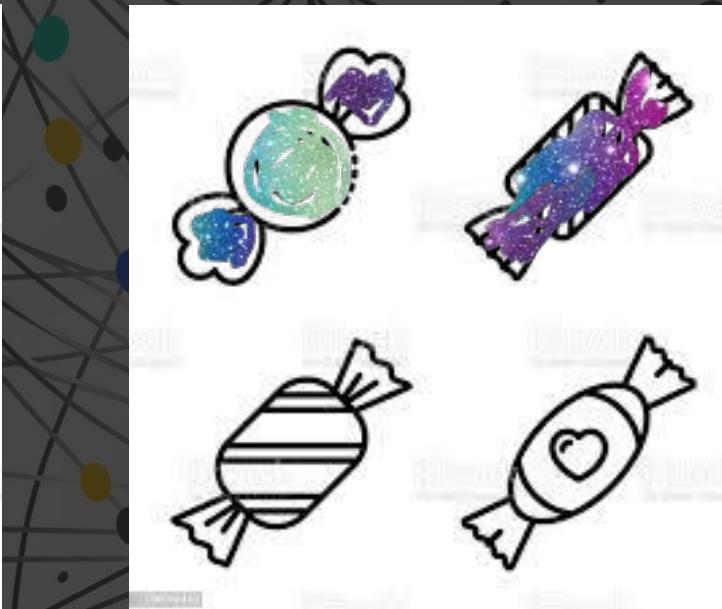
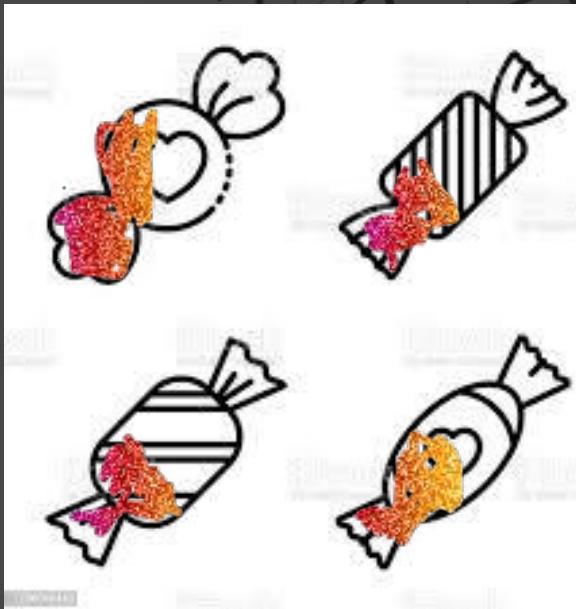
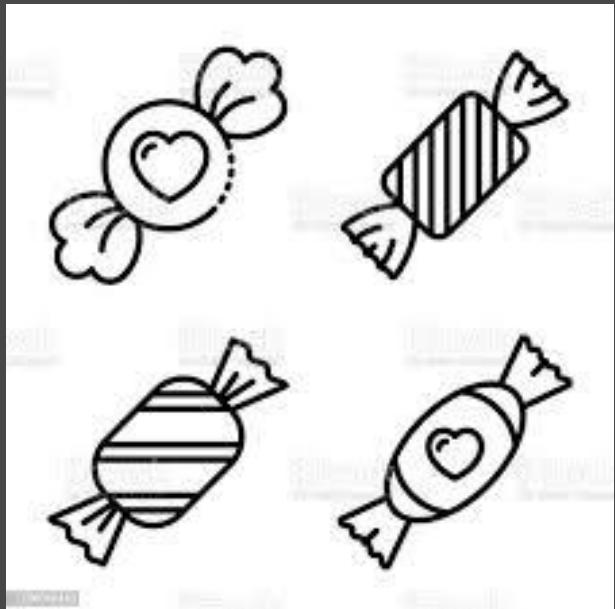
1. Use all materials to build the object.
2. Make sure Item 1 is in the **landscape orientation**. Fold Item 1 **lengthwise** in half.
3. On the **left edge** of Item 1, **locate** the center. Place Item 2 along the center left edge of paper.
4. Place Item 3 " to the right of Item 2". It should be a little lower than Item 2 to start a **zig zag** line. Use items 4-7 to finish the line.
5. Turn Item 8 **upside down**. **Lay** Item 8 on its side so that it forms a vertical line on the paper and is one Item 2 width to the right of the zig zag line. The bottom of Item 8 should **line up** to the bottom edge of Item 7.

# SCORING

- ❖ The team with the most correctly placed items will have the highest score and declared the winner.
- ❖ There are three possible points for each object in the “picture”
  - One point for placement
  - One point for location
  - One point for orientation
- ❖ Advanced task – one object or instruction will present an advanced challenge requiring the team to “mentally stretch” and correctly place the item in the “picture”. The score for this task will count as the first tie breaker. If needed, we will use other items as additional tie breakers. These will either be pre-selected by the event supervisors or those items that have the greatest spread in points during the competition.

1 SET OF INSTRUCTIONS,  
2 DIFFERENT INTERPRETATIONS,  
2 DIFFERENT EXECUTIONS,  
BOTH CORRECT

Color half the candies



# 3RD GRADE EXAMPLE OF DIFFERENT INTERPRETATIONS AND EXECUTIONS OF ONE INSTRUCTION AWARDED SAME SCORE



## INSTRUCTION

Create a half  
circle using the  
fuzzy stick.



# COACHING ADVICE

- ❖ Use each practice session to build up vocabulary.
- ❖ Practice any type of activity that requires instructions – Advanced 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 and executing directions correctly.
- ❖ Avoid overcoaching your team!
- ❖ Encourage them to support each other and recognize each other's role and contribution.
- ❖ Most importantly, have fun with this!



Replies to [@Calvinn\\_Hobbes](#)

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



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

3 Likes





# QUESTIONS AFTER TONIGHT?

## WESO Discord Server

- Every WESO event will have its own channel
- Join the WESO server to submit your questions in the event chat
- Event supervisors or WESO board members will monitor the discussion and answer questions
- Event coaches can use the chat to exchange coaching ideas
- Go to [wesoscience.org/events/](http://wesoscience.org/events/) for details on how to join the WESO server and guidelines for its use

# QUESTIONS



Please submit your questions now using the Google form that was shared in the chat.

THANK YOU FOR SERVING AS AN EVENT  
COACH !