

## **Read It; Build It**

- Grades:** 2<sup>nd</sup>, 3<sup>rd</sup>
- Team Size:** 1-2 participants
- Duration:** 30 minutes
- Supervisors:** Patricia Pacania, Koen Verbrugghe, and Maisha Ostergren

### **Summary:**

All teams will be given an identical set of items and instructions. Teams will attempt to build a “picture” from the items based on the given instructions. The team with the most items placed correctly wins. This event tests each team’s ability to understand and follow written or graphical instructions.

The “picture” is composed of items arranged on a posterboard. Unlike Lego or IKEA instructions, teams will **NOT** be provided with a final illustration of the final composition. Team scores will be determined by what the teams have arranged on the poster board based on the instructions at the end of the event. The highest scores will reflect correct placement of items that most closely replicates the “picture”.

An advanced task will be built into the instructions as an initial tie breaker. This task will represent a challenge that demonstrates the team’s skills, abilities, and understanding at a grade level higher than their current grade.

### **Concepts Covered:**

- Spatial Orientation – location, orientation, and placement of items to construct objects in the “picture”
- Scientific Literacy -- ability to understand and follow written or graphical instructions
- Technical writing - introduction to the field of technical writing that focuses on explanation, instruction or directions.

### **Rules and Expectations:**

1. Teams will have a total of 30 minutes to complete the event. Start time, End time, and a Five-Minute warning will be clearly indicated.

2. After 30 minutes all teams will be escorted back to the staging area.
3. **ONE (1)** set of all materials necessary to compete will be provided to each team.
4. Items used for this event are EVERYDAY items – any shape, any color, any dimension, any size.
5. 2<sup>nd</sup> grade may have as many as 12 items; 3<sup>rd</sup> grade may have up to 15 items
6. Teams will use materials to build a “picture” based on a set of written or graphical instructions.
7. Teams should correctly write “TOP” at the top of the posterboard. It should be VISIBLE to the Event Supervisors.
8. Teams are responsible to write the NAME of the SCHOOL VISIBLY and LEGIBLY on the poster board.
9. **FAILURE TO COMPLETE STEPS 7 and/or 8 will result in ZERO (0) points being awarded to the team.**
10. NO other writing, drawings, illustrations, or numbering is allowed on the poster board.
11. Builders **must rely on** their understanding and interpretation of the set of instructions given to correctly place the items in the “picture”.
12. The instructions will be written to use all the materials provided.

## Scoring

The team that builds the “picture” nearest to the original is declared the winner. What does this look like?

There are three possible points for each item correctly placed in the “picture”

- One for placement
- One point for location
- One point for orientation

The team with the most correctly placed items will have the highest score and be declared the winner.

Ties will be broken using the advanced task and the build of other items in the “picture”.

Advanced task – one object or one 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 we will use those items that have the greatest spread in points during the competition.

### **Practice and Preparation**

**Practice** should involve the teams building using any random items based on a set of written or graphical instructions – making a sandwich, building Legos, building anything from IKEA. The goal is to build confidence in interpreting and correctly executing ANY set of instructions.

**Ask** questions – What are you asked to do? What action comes next? How many steps are there? What words do you **not** understand? Describe/Draw/Explain. When you ask questions, you help the teams to develop their vocabulary and thinking skills.

### **Event Questions**

Event Coaches should submit questions about RiBi to [weso.events@gmail.com](mailto:weso.events@gmail.com). Please enter the event title in the subject line. Answers will be posted on the WESO blog. Please sign up soon.