

The Science Fair Mix-Up

Name: _____ Date: _____

THE STORY

Four middle school students—Alex, Maya, Sam, and Taylor—each won a top prize ribbon at the regional science fair. Each student specialized in a completely different subject area (Robotics, Volcanoes, Solar Power, and Marine Biology) and each brought home a different colored ribbon (Blue, Red, Yellow, and White).

Oh no! The project labels accidentally fell off the display tables during clean-up. Can you act as a detective and use the logical clues below to match each student with their project and their prize ribbon?

THE CLUES

1. Maya won a higher prize ribbon than the student who built the **Robotics** project, but a lower prize ribbon than Sam. (*Note: Blue is 1st, Red is 2nd, Yellow is 3rd, White is 4th*).
2. Taylor did not build the **Volcano** project, and she did not win the White ribbon.
3. The **Solar Power** project won the prestigious Blue ribbon.
4. Alex absolutely loves the ocean and built the **Marine Biology** project, but he did not win the Red ribbon.

THE LOGIC GRID

	Blue (1st)	Red (2nd)	Yellow (3rd)	White (4th)	Robotics 	Volcanos 	Solar Power 	Marine Biology 
Alex								
Maya								
Sam								
Taylor								
Robotics 								
Volcanos 								
Solar Power 								
Marine Biology 								

How to use this grid: Read through each clue. If a connection is impossible, put an **X** in that grid square. If you lock in a definite match, place an **O** (or a checkmark). Remember: whenever you place an **O**, you can cross out (**X**) all other boxes in that same row and column section!