

# Wells County "Student-Only"

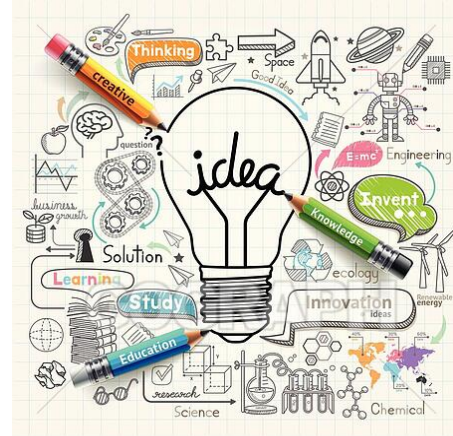
## Rube Goldberg Competition

**Date:** Wednesday May 18, 2022

**Location:** 4-H Expo Center Bluffton, Indiana

**Time:** 8:00-11:00 a.m.

- Set-Up from 8:00-9:00 a.m.
- Judging Begins at 9:00 a.m.
- A schedule of run times will be posted



gg84696705 www.gograph.com

**Competitors:** Bluffton, Norwell, Southern Wells and other area schools (if space allows)

- High School Division (Students Grades 9-12)
- Middle School Division (Students Grades 5-8)

**Prizes:** \$100 (1st Place Team in each Division)  
\$50 (2nd Place team in each Division)  
Bonus prizes for category winners (as voted by judges)

**Bonus Categories:**

\* Most Difficult Step \*Most Creative Step \*Best Theme

**Cost:** \$10 per team (Limit 30 teams)

**For questions or to register email:** [kpenrod@swraiders.com](mailto:kpenrod@swraiders.com)

**Free T-Shirt for each participant!**

The Southern Wells Physics Class wishes to thank our generous sponsors for allowing us to host this event and for their support of STEM and Engineering!

**Adams Wells Manufacturing Alliance \* Roembke Mfg & Design**

# Rules and Scoring

## Rules

- **The Final Task is to water a plant (-5 pts if not completed)**
- Each machine must have a minimum of 15 steps (each step is worth 5 points for a max score of 75 step points)
- You may have more than 15 steps, which could add to your difficulty and creativity scores but you will not receive more “step points” for these extra steps.
- Each group will have a 12x12 marked square to set up and run their machine. Any object that leaves the square during the running of the machine will result in a 3 point deduction.
- Each time the machine is touched after the initial start will result in a 5 point deduction.
- Each team is limited to 4 team members.
- Each team will get 2 official attempts to run their machine. Only runs performed in front of the judges will be counted.
- The machine may use a maximum of 1 power cord. Please let officials know ahead of time if a power cord will be used so we can arrange for power to be connected.
- The machine must not imply any messages or expressions that would not be school appropriate.
- The machine must be deemed safe and steps approved by the school’s representative teacher before it can be run.
- Any student touching or damaging another group’s machine will be disqualified.

## **Scoring (Each group must complete a form with group members and listed steps)**

Step Points (5 pts each)	15 counted steps x 5	75 Max Points (Minus Deductions)
Difficulty Points	10 points per judge	30 Max Points
Creativity Points	10 points per judge	30 Max Points
Complete Competition Form	-	15 Points

**Max points = 150**