

# 1st Annual Boise School District *SPEED DAY!*

CO<sub>2</sub> DRAGSTER RACES



## SKILLS & CONCEPTS:

- Design Process
- Aerodynamics
- Precision Measuring
- Potential Energy
- Kinetic Energy
- Reducing Friction
- Tool Safety
- Newton's Laws
- Woodworking
- Painting
- Competing
- Correlating weight and speed.

## February 10, 2015: South Junior High

On February 10, 2015, 9th grade technology education students in the Boise School District will be taking a bus from their home school to South Junior High to compete against the other junior high schools in the district.

Students have been working hard at designing, building, testing, and modifying small scale dragsters that will be powered by CO<sub>2</sub> canisters. CO<sub>2</sub> canisters are punctured equally by a starting mechanism that launches the cars down a track. Fishing line keeps the cars safely on the track and towels slow and stop the cars at the other end some 60 feet away.

Students will leave their home school shortly after they arrive in the morning, getting to South around 8:30, en-

tering their cars in a "Best of Show" competition, and waiting for their turn to race.

There will be multiple



lanes for races, two cars racing per track, with winners moving on and losers going to the losers bracket. Every student will race at least two times.

There will be medals for Best of Show from a student vote and Best of Show from a teacher/parent vote.

Points will be awarded for each car's best finish and the school with the most overall points will win the Championship Trophy for this year.

Students may bring a sack lunch or money to spend at one of the food

trucks, coffee trucks, or desert trucks.

Each school has been asked to bring a few parents along to help make this exciting day run more smoothly. The "jobs" will not be difficult, and might include monitoring the food truck area outside, helping judge the "Best of Show" contest, helping get cars to the starting gate, or riding on the bus with the students. If you can help that day, PLEASE let your child's tech teacher know ASAP! (Extra credit!)

Also, if you do not want your child to attend, please let your child's tech teacher know that as well. Students will be gone between 8am and about 1pm. They will return to their afternoon classes.

LET'S RACE!