



Elementary Science
 Olympiad Tournament
 Saturday, April 8, 2017
 Mounds View High School



Events for 2017

Life, Personal & Social Science	Earth & Space Science	Physical Science & Chemistry	Technology & Engineering	Inquiry & The Nature of Science
Biomass Don't Bug Me Have A Heart Planet Protectors	Rock Hound Starry, Starry Night Weather Permitting	All Charged Up Cool It Mystery Powders	3, 2, 1 Blast Off! Pasta Tower RoboCross TrajEGGtory	Large Number Estimation Picture This Write It, Do It

For more information, contact...

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Event Descriptions – All events are for teams of 1 to 2 students unless otherwise noted.

3, 2, 1, BLAST OFF! – Teams will construct bottle rockets designed to stay aloft for the greatest time.

ALL CHARGED UP – Teams will be assessed on their knowledge of magnets, magnetism, and circuits.

BIOMASS – Each team will grow a plant from a seed, give a report of its growing conditions, and take a quiz on plant growth.

COOL IT (Calorimeter) – Each team will construct a device to keep an ice cube from melting.

DON'T BUG ME (Entomology) – Teams will distinguish insects from non-insects, identify various body parts, characteristics, habitats, ecological significance, life cycles, and major orders of insects.

HAVE A HEART – Teams will demonstrate knowledge of the human circulatory and respiratory systems.

LARGE NUMBER ESTIMATION – Teams will be asked to estimate the answers to approximately twenty questions requiring an estimate between ten and one million.

MYSTERY POWDERS – Teams will be asked to identify a mixture of common white household powders.

PASTA TOWER – Teams will build a tower from pasta that will hold the greatest weight.

PICTURE THIS - This event has teams of 3 students each competing in a contest in which one member draws "clues" for the others to guess a science term or concept.

PLANET PROTECTORS – Teams will be assessed on their knowledge of human interaction with the earth, including recycling, interacting positively and negatively with the environment, and preserving resources.

ROBO-CROSS - Teams design and build one robot capable of performing certain tasks on a playing field.

ROCK HOUND - Contestants will be required to identify various rocks and minerals.

STARRY, STARRY NIGHT - Teams will identify constellations, planets, and other common celestial bodies in our universe.

TRAJEGGTORY – Teams will construct lightest device to protect a raw egg when the device containing the egg is thrown horizontally over a bar at a target placed on the floor. The goal is to keep the egg from breaking while landing as close to the center of the target as possible.

WEATHER PERMITTING – This event will test the team's knowledge of conducting investigations and using appropriate technology to build an understanding of weather and climate.

WRITE IT, DO IT – This event tests a competitor's ability to communicate with a colleague. This event must be done with 2 students.