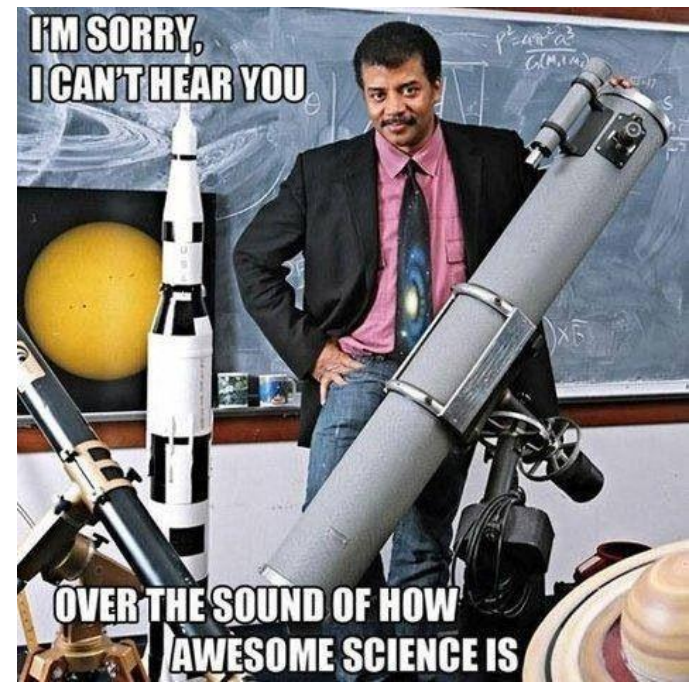
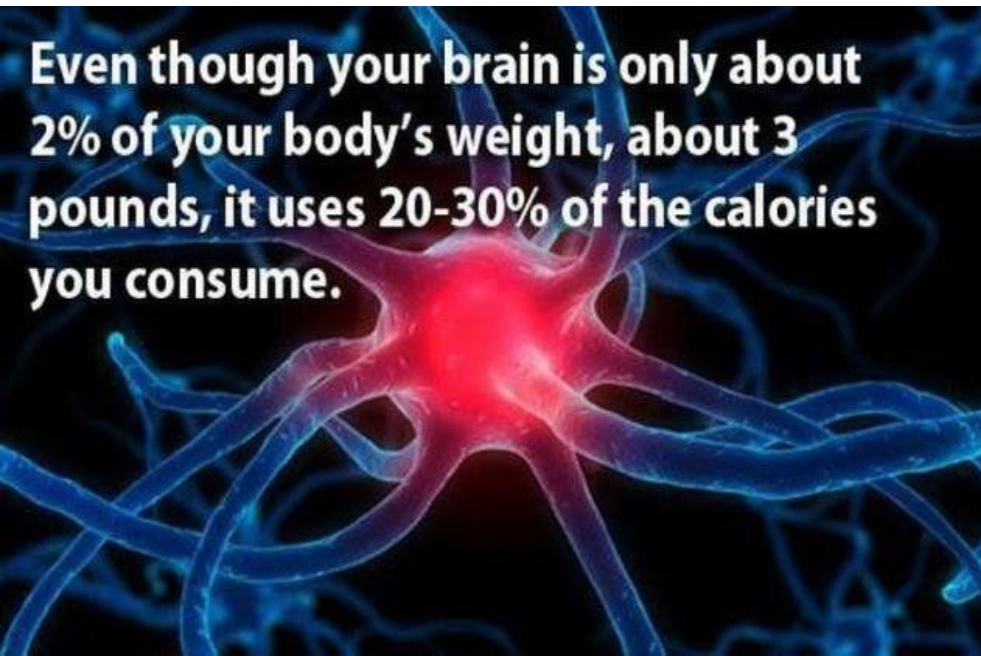
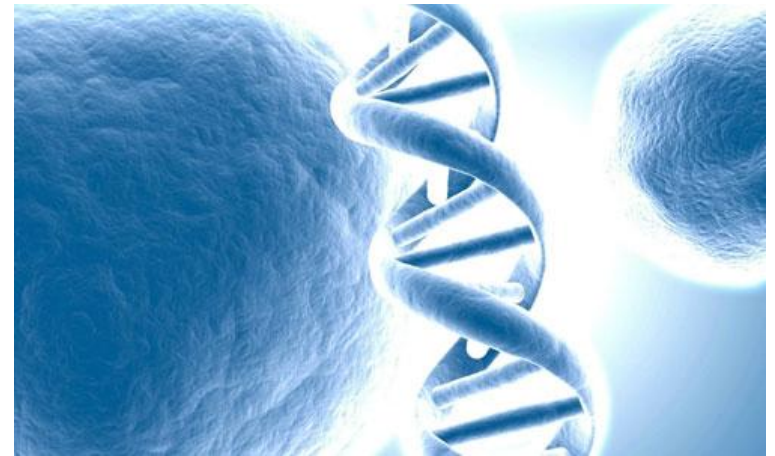
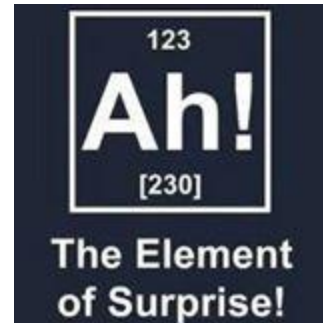


Science Olympiad



Olympiad Events

- Air Trajectory
- Anatomy and Physiology
- Bio-Process Lab
- Bottle Rocket
- Bridge Building
- Crave the Wave
- Crime Busters
- Disease Detectives
- Dynamic Planet
- Elastic Launch Glider
- Experimental Design
- **Food Science**
- Fossils
- Green Generation
- **Invasive Species**
- Meteorology
- **Mission Possible**
- Picture This
- **Reach for the Stars**
- Road Scholar
- **Scrambler**
- **Wind Power**
- Write it, Do it

Helpful Hints About Event Selection

- All events can handle a team of two (unless specified otherwise). You will have a part-time/full-time coach for your event.
- Teams that have participated in a particular event before have preference.
- Hands-on events are known for being more competitive than paper test events. So if your knowledgeable on paper...your more likely to win hardware (an award).

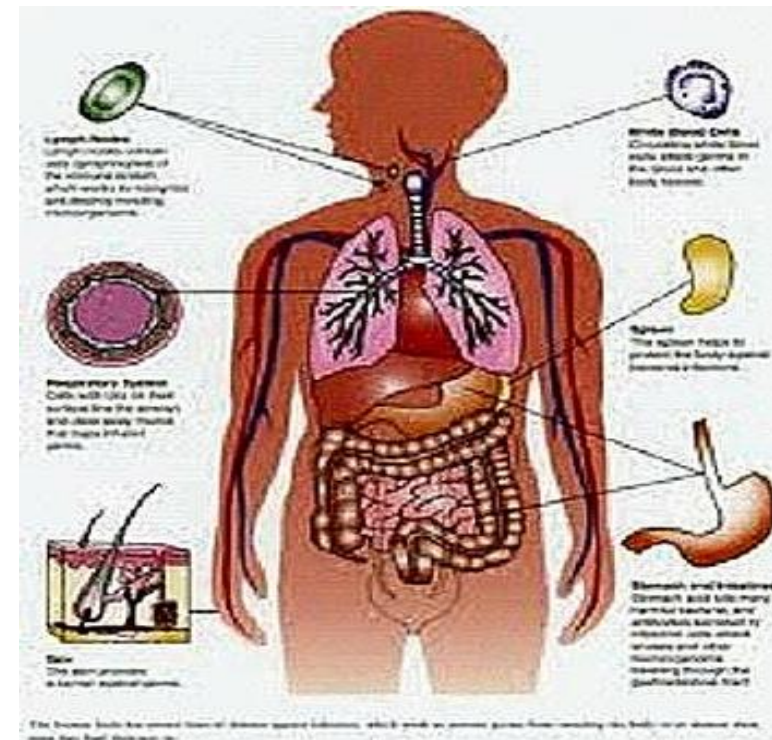
Air Trajectory

- Description: You build a device to hit a target.
- Team: 2
- Type: Hands-on
- Topics: Mechanics, Physics



Anatomy and Physiology

- Description: Students demonstrate a basic understanding of human Cardiovascular, Integumentary, and Immune systems.
- Team: 2
- Type: Paper Test
- Topics: Medicine, Anatomy



Bio-Process Lab

- Description: Using lab equipment to evaluate data and create processes or procedures based on a situation.
- Team: 2
- Type: Hands-on /Paper Test
- Topics: Experimentation, Lab Safety



Bottle Rocket

- Description: Creation of two rockets that need to stay aloft for a maximum period of time.
- Team: 2
- Type: Hands-on
- Topics: Chemistry, Physics, Mechanics



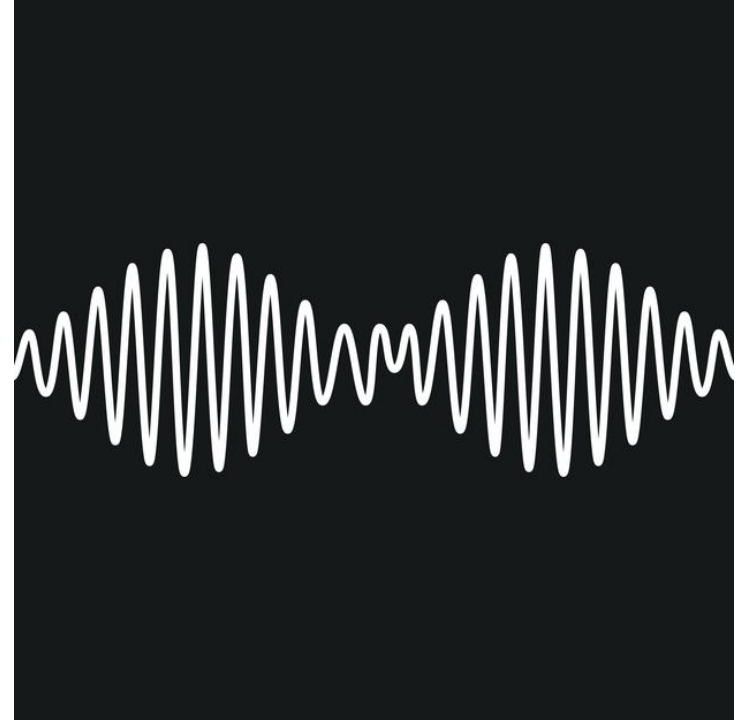
Bridge Building

- Description: Build the lightest and strongest bridge.
- Team: 2
- Type: Hands-on
- Topics: Mechanics, Architecture



Crave the Wave

- Description: Students demonstrate knowledge and skills to answer questions regarding all types of waves and wave motion.
- Team: 2
- Type: Hands-on /Paper Test
- Topics: Physics



Crime Busters

- Description: Solve a crime given evidence and a list of suspects
- Team: 2
- Type: Hands-on/Paper
- Topics: Chemistry, Lab Safety



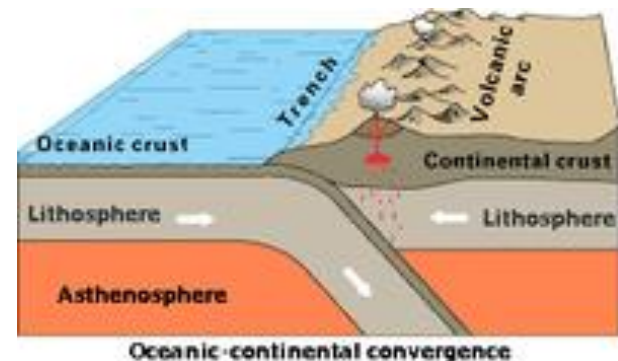
Disease Detectives

- Description: Students will investigate the study of disease, injury, health, and disability with a focus on population growth
- Team: 2
- Type: Paper Test
- Topics: Medicine, Ecology



Dynamic Planet

- Description: Students will complete tasks related to oceanography and marine sciences.
- Team: 2
- Type: Some Hands-on/Paper Test
- Topics: Geology, Oceanography



Elastic Launch Glider

- Description: Students will construct and design elastic gliders for maximum air time.
- Team: 2
- Type: Hands-on
- Topics: Mechanics, Physics



Experimental Design

- Description: Students will design, conduct, and report findings on an experiment conducted on site
- Team: 2
- Type: Hands-on /Paper Test
- Topics: Chemistry, Lab Safety



Food Science (New)

- Description: Students will study the science behind dairy products create the best possible through experimentation.
- Team: 2
- Type: Hands-on
- Topics: Chemistry, Food Science

The image shows the "got milk?" logo in a bold, black, sans-serif font. The word "got" is lowercase, "milk" is lowercase, and the question mark is large and bold. A small registered trademark symbol (®) is located at the top right of the question mark. The logo is centered within a white rectangular box with a thin black border.

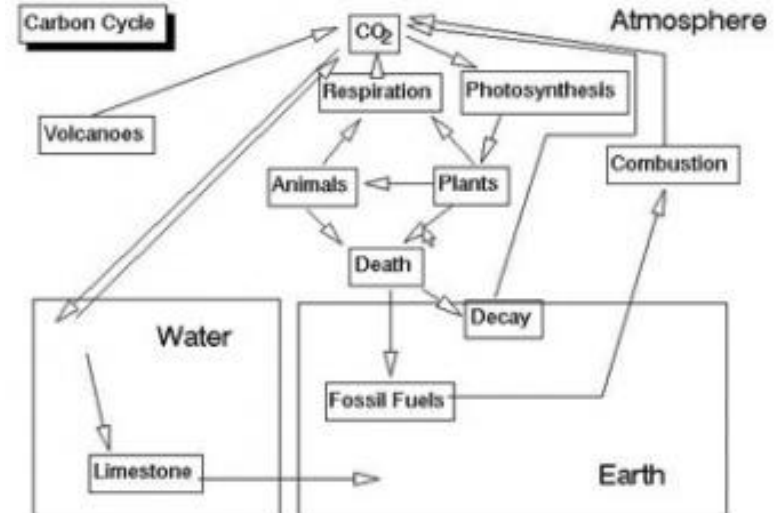
Fossils

- Description: Students will identify fossils and answer questions about them. This includes adaptations, behaviors, habitat, and classification.
- Team: 2
- Type: Paper Test
- Topics: Geology, Ecology



Green Generation

- Description: Students demonstrate knowledge in ecology and human impact in our environment.
- Team: 2
- Type: Paper Test
- Topics: Ecology, Chemistry



Invasive Species (New)

- Description: Students will be tested on invasive species in local and national ecosystems.
- Team: 2
- Type: Paper Test
- Topics: Ecology, Biology



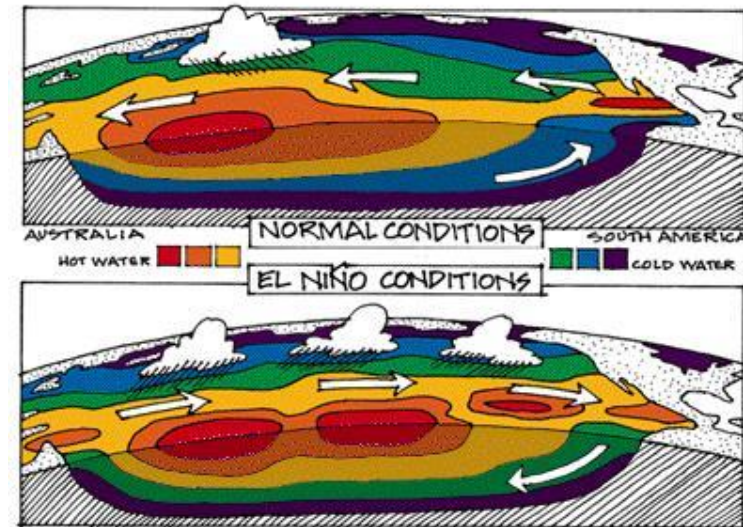
Meteorology

- Description: Students will investigate human impact to the atmosphere, weather, and climate.

- Team: 2

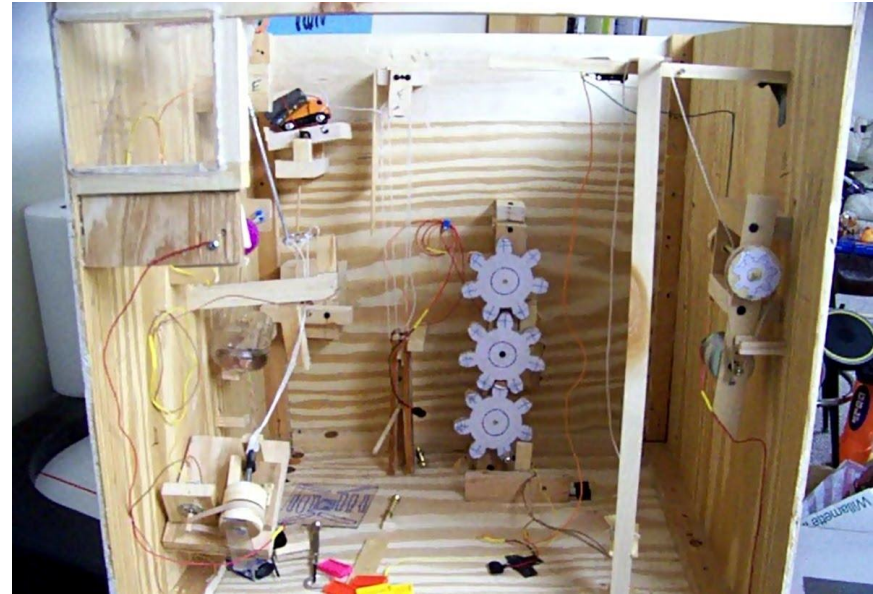
- Type: Paper Test

- Topics: Meteorology (no way! 😊)



Mission Possible (New)

- Description: Students create a complex machine to complete a task within an ideal time
- Team: 2
- Type: Hands-on
- Topics: Mechanics, Physics



Picture This

- Description: Scientific Pictionary on a wide variety of topics.



- Team: 2

- Type: Paper

- Topics: A little of everything

Reach for the Stars

- Description: Students are asked to identify stellar objects including stars and galaxies based on properties like light and shape.
- Team: 2
- Type: Paper
- Topics: Space Science



Road Scholar

- Description: Students will be asked to identify features on maps and answer specific questions about items including direction, distance, and slope.
- Team: 2
- Type: Some Hands-on/Paper Test
- Topics: Geography, Geology



Scrambler

- Description: Students must create a machine that uses falling mass to safely transport an egg to a location.
- Team: 2
- Type: Lab
- Topics: Biology, Physics



Wind Power (New)

- Description: Students will construct a device that converts wind into energy and answers questions on alternative energy.
- Team: 2
- Type: Hands-on/ Paper
- Topics: Mechanics, Physics



Write it, Do it

- Description: One student describes a bunch of objects...their teammate has to rebuild it based on their description.
- Team: 2
- Type: Paper/ Hands-on
- Topics: Medical Terminology and Writing



Important Dates

- **Regional Competition**
 - Where: UW OSHKOSH
 - When: SATURDAY, FEB 13, 2016
 - How: Carpool
- **State Competition**
 - Where: UW STOUT
 - When: SATURDAY, APRIL 2, 2016
 - How: Carpool



Parents and Family

- Coaching
 - If you have a particular set of skills (and can spare a few hours a week) we would love to have you!
- Materials
 - Many of the events require and use a wide variety of materials including:
 - Everything! 😊



Expectations

- Meetings will begin when I receive the “official catalog”.
 - Last year, this was the middle of October.
- Students are expected to meet as a team (all of us) once a week.
- We care about (in this order):
 - Having fun
 - Learning cool stuff
 - Winning



