**2015 Science Olympiad C Events**

**(NNU April 11th, 2015)**

**Air Trajectory (C)** - Prior to the competition, teams will design, construct and calibrate a single device capable of launching projectiles into a target and collect data regarding device parameters and performance.

**Bridge Building (C)** - Teams will design and build the lightest bridge with the highest structural efficiency that can span a given opening meeting the requirements given.

**Bungee Drop (C)** - Using an elastic cord teams will conduct drops from a given height to a surface plane.

**Chemistry Lab (C)** - Teams will demonstrate chemistry laboratory skills related to kinetics, chemical reactions and stoichiometry.

**Compound Machines (C)** - Students will perform activities and answer questions related to simple and compound machines.

**Experimental Design (C)** - Given a set of unknown objects, teams will design, conduct, analyze and write- up an experiment.

**It's About Time (C)** - Competitors may construct one non-electrical device to measure time intervals between

10 and 300 seconds and answer questions related to time.

**Mission Possible (C)** - Prior to the competition, participants will design, build, test and document a Rube Goldberg-like device that completes a required Final Task using a sequence of consecutive energy transfers.

**Scrambler (C)** - Competitors must design, build and test a mechanical device which uses the energy from a falling mass to transport an egg along a track as quickly as possible and stop as close to the center of a terminal barrier without breaking the egg.

**Technical Problem Solving (C)** - Teams will gather and process data to solve problems.

**Write It/Do It (C)** - A technical writing exercise where students write a description of a contraption and other students will attempt to recreate it using only the written description.

**Wright Stuff (C)** - Prior to the competition teams design, construct and test free flight rubber-powered monoplanes to achieve maximum time aloft.