**Elementary Science Olympiad 2014**

**Events Description**

**Refer to the schedule for Impound, theory and build events.**

**Disease Detectives:** This event requires students to apply principles of epidemiology to a published report of a real-life health situation or problem.

**Energy Box:** Teams must construct an insulated device prior to the tournament that is designed to retain heat.

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

**Food for Thought and Energy:** Groups of students demonstrate knowledge of food groups and additives.

**Metric Mastery:** Students will demonstrate an intuitive feeling for estimating and measuring metric units including mass, volume, area, surface area, force, distance, time and temperature.

**Mystery Architecture:** Teams of students build a structure based on restrictions and descriptions from materials given to them at the competition.

**Pentathlon:**  Physical skills are interspersed with science questions in an obstacle course that will be run in a relay race style in which the whole team participates.

**Rubber Band Catapult:** The team will design and construct a catapult device to shoot a rubber band at a target that is placed within a given range

**Solar System:** This event will address the Sun, planets, and their satellites, dwarf planets, comets, asteroids, the asteroid belt, meteoroids, Oort Cloud and the Kuiper Belt.

**Science Jeopardy:** Contestants choose a category and a level of difficulty from the game board and view and listen to an answer to a question. The first team to respond with an appropriate question for the answer will be awarded points and will choose the next topic and level.

**Super Pulley:** Students demonstrate their knowledge and use of a pulley or pulley system.