

## **2018 ELEMENTARY SCIENCE OLYMPIAD**

### PRELIMINARY INFORMATION

#### **EVENTS**

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**Gummy Bear Long Jump:** Using a pre-made catapult device, students will determine the best angle of the launching arm to land as many gummy bear candies into a designated target within the allotted time.

**Hold the Cold:** Using only the allowed materials, students will construct an insulating device around a container of ice water so that it will best maintain its temperature.

**Physiology Fun: Sense-ational Senses:** Students will identify key anatomical parts of the sense organs and answer questions dealing with their function and maintaining health.

**Toppling Towers:** Using only the materials they are given, each Group will build a free standing tower as high as they can. The tower should be constructed to support a tennis ball at its top.

**Weather or Not:** Students will identify different types of weather phenomena, understand the causes of different weather patterns and phenomena, and demonstrate the ability to use and assess meteorological equipment.

#### **STARTER KIT**

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**Gummy Bear Long Jump:** One gummy bear catapult and one target container (6 quart “shoe box” plastic bin approximately 14”x8”x5”). These may be used for practice and must be returned when the coach checks in at the tournament so they may be used for testing at the events.

**Hold the Cold:** 5 paper lunch bags (approximately 14cm x 9cm x 26cm), one instant read digital thermometer. The thermometer may be used for practice and must be returned when the coach checks in at the tournament so it may be used for testing at the events.

**Physiology Fun: Sense-ational Senses:** A reproducible sheet of labeled anatomy

**SPECIAL SUPPLIES:** These items may be helpful during practice.

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**Gummy Bear Long Jump:** gummy bear candies (Black Forest Gummy Bears available at Fred Meyer will be used at tournament), painters’ masking tape, optional 3”x5” cards for calibration notes

**Hold the Cold:** painters’ masking tape, scissors, clean building materials such as paper, cardboard, corrugated cardboard, sheets of aluminum foil, plastic bottles and/or tubs clearly marked with #1 or #2 recycling symbol, optional funnel.

**Toppling Towers:** one tennis ball per Group; scissors, ruler, and pencil are optional tools. Building materials such as uncooked pasta, drinking straws, bamboo skewers, popsicle sticks, string, paper clips, paper cups, newspaper, tape (masking or cellophane), etc. (Actual materials will be similar in nature, but may be anything that the event supervisor considers appropriate.)

**NOTE:** Teams will be loaned one instant read digital thermometer per Team at the Coaches Clinic and enough goggles for every student at the tournament, but if you’d like to purchase either of these items for your Team, one outlet is Harbor Freight Tools. Goggles with an ANSI Z87 rating are about \$2 a pair, and instant read digital thermometers are about \$6 each. You can often find a 20% coupon for Harbor Freight in newspapers and magazines. Please note that at the tournament Teams may only use the thermometer provided by the event supervisor.

**SW WA SCIENCE OLYMPIAD WEBSITE:** <http://www.clark.edu/campus-life/arts-events/scienceolympiad/>

**ELEMENTARY WEBSITE:** <http://www.clark.edu/campus-life/arts-events/scienceolympiad/elementary.php>

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