

## Science Olympiad Events for 2020

Life, Personal & Social Science-5	Earth & Space Science-5	Physical Science & Chemistry-5	Technology & Engineering Design-4	Inquiry & Nature of Science-4
<b>Division B 2020 Projected Events</b>				
Anatomy & Physiology <i>(Skeletal, Muscular, Integumentary)</i> Disease Detectives Heredity <b>Ornithology</b> Water Quality <i>(Marine &amp; Estuary)</i>	Dynamic Planet Fossils Meteorology <i>(Severe Storms)</i> Road Scholar <b>Reach for the Stars</b>	<u>Physics</u> Circuit Lab Density Lab <b>Machines</b> <u>Chemistry</u> <b>Food Science</b> Crime Busters	Boomilever EL Gliders <b>Mission Possible</b> <b>Mousetrap Vehicle</b>	Experimental Design Game On <b><i>Ping-Pong Parachute*</i></b> Write It, Do It
Life, Personal & Social Science-5	Earth & Space Science-4	Physical Science & Chemistry-5	Technology & Engineering Design-4	Inquiry & Nature of Science-4
<b>Division C 2020 Projected Events</b>				
Anatomy & Physiology <i>(Skeletal, Muscular, Integumentary)</i> Designer Genes Disease Detectives <b>Ornithology</b> Water Quality <i>(Marine &amp; Estuary)</i>	Astronomy Dynamic Planet Fossils GeoLogic Mapping	<u>Physics</u> Circuit Lab <b>Machines</b> Sounds of Music <u>Chemistry</u> Chem Lab <i>(Acid/Base Chem. &amp; Aqueous Solutions)</i> Forensics Protein Modeling	Boomilever <b><i>Detector Building</i></b> <b>Gravity Vehicle</b> Wright Stuff	Codebusters Experimental Design <b><i>Ping-Pong Parachute*</i></b> Write It, Do It

**Bolded text** indicates either a new event or topic changes from the previous year

**Bolded, Italicized text** indicates a brand-new Science Olympiad event developed through our Trial Event process

Division B Event Classifications: 7 – Core Knowledge, 5 – Building, 4 – Laboratory/Hands-On, 1 – Case Study, 6 – Hybrid

Division C Event Classifications: 7 – Core Knowledge, 5 – Building, 3 – Laboratory/Hands-On, 1 – Case Study, 7 – Hybrid

\*: Due to concerns about the name ***Indoor Bottle Rocket*** is being renamed Nationally to ***Ping-Pong Parachute***

## Science Olympiad Events for 2020

### Science Olympiad Event Types

- **Core Knowledge Event:** An event where participants are given a set of topics that they are expected to research and master the factual content. Mastery is then demonstrated at a tournament by taking a paper-pencil or computer test.
- **Building/Long-lead Event:** An event where participants are given some specifications about a device or object they are expected to design, create, and test in advance of the tournament. The devices or objects are often modified on site to account for an unknown parameter prior to testing or evaluation.
- **Laboratory/Hands-On Event:** An event where participants are given a general topic in which they will be expected to deepen their content knowledge of the topic and associated research techniques prior to the tournament. At the tournament they will be assessed by the completion of a hands-on task, which may or may not require a written report, within a defined timeframe.
- **Case-Study/Scenario Event:** An event where participants are given a general topic in which they will be expected to deepen their content knowledge prior to the tournament. At the tournament, participants will be given a data-rich case-study or scenarios to analyze and provide conclusions. This event type focuses on the analysis exclusively as opposed to data collection and analysis.
- **Hybrid/Combo Event:** An event which contains elements from two, or more, of the above event types in combination. The most common combination mixes elements of a Core Knowledge event with elements of a Building event.

Event Type by Year

