

# DeKalb County Science Olympiad 2017 Event List

## CHALLENGE EVENTS

Students complete a task based on skills they have previously practiced.

**CRIME BUSTERS** – Teams of students work together to solve a crime.

**MYSTERY ARCHITECTURE** - Teams of students build the tallest, most stable tower from materials unknown to them prior to the competition.

**WHICH WAY IS NORTH?** - Teams will attempt to navigate themselves around a state road map.

**THE 24 GAME** – A team of two (2) students are provided 30 game cards to solve in 30 minutes or less. Teams will manipulate the numbers on their card to make “24.”

All events will have Practice Sessions coached weekly after school

## KNOWLEDGE EVENTS

Students take a quiz about the event subject.

**DEEP BLUE SEA** – A team of two (2) students will identify ocean flora and fauna found in the oceans off the coast of GA.

**DON'T BUG ME (INSECTS)** - Distinguishing insects from non-insects, identify body parts, characteristics, habitats, ecological significance, and major orders of insects.

**NO BONES ABOUT IT** - A team of two (2) students will match each of 10-15 different kinds of bones with an appropriate skeleton or chart of various animals.

**ROCK HOUND** - Contestants will be required to identify various rocks and minerals.

**SIMPLE MACHINES** - Participants demonstrate their knowledge of simple machines.

**STARRY, STARRY NIGHT** - A team of two (2) students will identify constellations, planets, and other common celestial bodies in our universe

**WEATHER OR NOT** - This competition will test knowledge of meteorological terms, techniques, and events.

**WILDLIFE SAFARI** - Students identify basic ecological knowledge.

## MAKE/BUILD EVENTS

Students follow design guidelines to make something in advance, or build a structure at the tournament.

**BARGE BUILDING** - Each team will construct a barge of aluminum foil that can support a cargo. They will predict the amount of cargo the barge will hold and will load cargo until the barge takes on water.

**BRIDGE BUILDING** - Each team will test their ability to build a strong, stable, and reproducible bridge from common materials.

**PAPER ROCKETS** - Students build and fly a paper rocket from materials that are provided.

**STRAW EGG DROP** - Teams of students build a device from soda straws to cradle an egg being dropped from a certain height.

**STRAW TOWER** - Teams of students build the strongest, tallest tower.

**WATER ROCKET** - Students will build this at home and launch a 2-liter plastic bottle for maximum time aloft

**\*Are you really wanting to do a certain event? Ask one of your family members to coach that event and you will have 1<sup>st</sup> choice!**

