

Georgia ESO Event Clarification



Georgia Science Olympiad

- I. We will be following the rules outlined in the 6th edition of Elementary Science Olympiad Rules Manual. New ESO rule manuals may be purchased from www.soinc.org. Additional events descriptions written especially for the Georgia ESO event are available on www.gascioly.org
- II. The Elementary Science Olympiad Coaches manual is a little unclear about team size. Below is the final ruling on team size for the GA ESO in 2018.
 - Teams may be composed of up to 20 3rd-6th grade students. Each team may have up to eight 5th grade students or up to four 6th grade students, with no more than 8 total 5th **and** 6th grade students. Teams should be composed of students chosen from grade levels within the same building. (e.g. Only elementary schools going up to 6th grade may have 6th graders on their team.)
- III. Some of the ESO Events can be interpreted a bit broadly. In attempt to provide a little more clarity, the event at the State ESO will be run using the following guidelines/limitations.

Event	Materials Allowed	Number of Participants	Clarifications
Backyard Biologists Pre-selected questions used as tie breaker	Field Guides & Notebooks	2	<ul style="list-style-type: none"> Each team may bring up to 2 commercially produced field guides and/or 2 – 3-ring binders with pages in any form from any source. (This means 2 guides, or 2 binders or a guide and a binder.) No Actual specimens –plant or animal - are allowed in the binders. Teams may also bring up to two hand lenses. Sample specimen list included in event description.
Barge Building Build used as tie breaker	None	2	<ul style="list-style-type: none"> The student will be allowed to load the cargo on the barge until it fails.
Bridge Building Time used as tie breaker; not additional weight Scissors provided	None	2	<ul style="list-style-type: none"> Each team will be provided with 1 meter of 2.4 cm wide (1 inch wide) masking tape; Standard popsicle sticks (3433) will be used instead of straws. At competition the supports for the bridge shall be at <u>least</u> 74 cm (± 29 inches) above the floor. Each end of the bridge structure will rest on the supports, but the bridge structure shall not be connected to or attached to the supports in any way.

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			<ul style="list-style-type: none"> The chalkboard eraser will be replaced with a rectangular square prism of clay that has a mass of 250 g. The student will be allowed to place the clay mass on the structure.
Crime Busters Tie Breaker is TBD	None	2	<ul style="list-style-type: none"> We will use coffee filters to make a chromatogram from a pen. Lab coats/aprons and goggles will be supplied at the event
Data Cruncher Time used as tie breaker	None	2	<ul style="list-style-type: none"> Station based event. Students will rotate through the stations with a fixed amount of time for each station.
Deep Blue Sea Time used as tie breaker	None	2	<ul style="list-style-type: none"> Event will be limited to ocean flora and fauna (algae, kelp, fish, mammals, mollusks and other living things) found in the oceans off the coast of GA. Part 1 & Part 2 of the event will be used
Disease Detectives Time used as tie breaker	None	2	<ul style="list-style-type: none"> This event will utilize resources developed by the CDC.
Egg Drop Scoring/Tie Breaker: 1. Egg unbroken 2. Distance from target center to egg container 3. Construction Time	None	2	<ul style="list-style-type: none"> Students must construct a device to cushion the egg when dropped from 2-3 meters Large, raw egg at room temperature will be used To limit mess, eggs will be placed in store brand sandwich zippy bags prior to building. Construction materials may not be attached to the egg (or bag).
Grab a Gram	None	2	<ul style="list-style-type: none"> Brown paper lunch sacks for massing
Mystery Architecture	Tennis Ball, scissors, ruler, pliers	2	<ul style="list-style-type: none"> All building materials will be provided and identical for each team. Each team of participants may bring: scissors, a ruler, a pair of pliers, & practice tennis ball. Students will build structures on the ground, not tables or desks. Due to the fragile nature of towers, teams moving around room during competition will be disqualified.

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No Bones About It Additional questions used as tie breaker	None	2	<ul style="list-style-type: none"> Actual bones, photos of bones, and models will be used. Event may contain a mixture of stations, multiple choice and fill in the blank questions.
Paper Rockets	None	2	<ul style="list-style-type: none"> Scissors provided Transparent tape (store brand) Ignore figure F in manual on page 85. This is not a valid rocket design.
Rock Hound Time as tie breaker	None	2	<ul style="list-style-type: none"> NO NOTES permitted Rock and mineral specimens will be provided during the event.
Starry Starry Night	None	2	<ul style="list-style-type: none"> Red pen light is not needed.
Water Rockets	Rocket	1-3	<ul style="list-style-type: none"> Parachutes are REQUIRED for all water rockets this year, however the parachute does NOT have to successfully deploy to be classified as a successful launch. Water rockets must be 1 meter or less in total height. Coke brand bottles fit launcher most easily Only 1 launch per team this year. An official pneumatic launcher with the pressure and launch buttons will be used. In addition: <ol style="list-style-type: none"> Kids should pack chute before they come (no parent help allowed) Kids can pressurize and launch own rocket During or after pressurizing, only event supervisors can approach the rocket (safety issue). Straws aren't necessary for launching Goggles will be provided
Weather or Not	None	2	<ul style="list-style-type: none"> Images and actual weather tools will be used
Which Way Is North Time as tie breaker	None	2	<ul style="list-style-type: none"> Limited to Georgia Maps of various types Calculators not permitted Scales (rulers) provided Answers to distance questions will be set by Google Maps or equivalent program
The 24 Game	None	2	<ul style="list-style-type: none"> This is a Georgia specific event. Each team of students will be provided with 30 game cards to solve in 30 minutes or less. Students will have to show their work on each card they solve.

2019-2020

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2020 Elementary Science Olympiad Event Information

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