

Georgia ESO Event Clarification



- 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.
- 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 2014.
 - 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
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; 2 cm of tape per straw. • At competition the supports for the bridge shall be at <u>least</u> 74 cm (\pm 29 inches) above the floor. • <u>Each end of the bridge structure will rest on the supports, but</u> the bridge structure shall not be connected to or attached to the supports in any way. • The chalkboard eraser will be replaced with a 2.5 cm x 2.5 cm x 11.5 cm square prism of clay that has a mass of 112 g. • The student will be allowed to place the clay mass on the structure.
Crime Busters Time used as tie breaker	None	2	<ul style="list-style-type: none"> • Goggles and lab coat/apron provided at event
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

Georgia ESO Event Clarification



Don't Bug Me No notes	None	2	<ul style="list-style-type: none"> • Pictures, preserved or living specimens may be used. • No notes or keys may be used during competition.
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.
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"> • This event is run by volunteers from the Georgia Mineral Society. • NO NOTES permitted year.
Simple Machines Time as tie breaker	None	2	<ul style="list-style-type: none"> • Images and actual items will be used • Students may be asked to calculate force, but will not be required to identify mechanical advantage. (See samples question on p. 114)
Starry Starry Night	None	2	<ul style="list-style-type: none"> • Red pen light is not needed.
Straw 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).

Georgia ESO Event Clarification



Straw Tower No pins – 1 meter of masking tape	None	2	<ul style="list-style-type: none"> Scissors will be provided. Loading blocks will be 5cm x 5cm pieces of cardboard. Students will add weights to the loading block. Students will build structures on the ground, not tables or desks. Teams moving around room during competition will be disqualified.
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 Time as tie breaker	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
Wildlife Safari Time as tie breaker	None	2	<ul style="list-style-type: none"> Organisms not limited to those found in GA
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.

2016-2017

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2017 Elementary Science Olympiad Event Clarification Information

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2017 Elementary Science Olympiad Event Information

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2017 Elementary Science Olympiad Registration

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