

eso | ESO at JHS 2012 **Rule Clarifications**

Last Updated February 14, 2012
Complete Rules Unless noted, complete event rules can be found in the ESO Coaches Manual (5th or 6th edition). For events with rules available online, visit the ESO Event Archive at www.esoatjhs.org/archive.html to view complete rules.

All Events

Spectators No coaches or spectators are allowed within event rooms. Spectators are permitted for events held in the Main Gym.
General Rules No outside materials (notes, calculators, etc) are permitted in any event unless specifically stated in the event rules or listed below. Participants may not bring cell phones into any event room.

Event Aerodynamics

Time 11:00 - 12:00 (Newton) / 12:00 - 1:00 (Einstein)
Location Bandroom (all)
Number of Participants Up to 2
Required Materials Pencils
Optional Materials None
Rule Clarifications Teams will be supplied with two sheets of foldable material (not necessarily plain paper). The material may be of irregular shapes, although all teams will receive identical sheets. Teams will have 15 minutes to construct two planes. Each plane will be launched once. One team member will launch the first plane. Then, the second team member must launch the other plane.

Event Boggle Science

Time 12:00 - 1:00
Location Room 125 (Newton) / Room 126 (Einstein) / Room 127 (Hubble)
Number of Participants Up to 2
Required Materials Pencils
Optional Materials None

Rule Clarifications Rules online differ from ESO Manual. ESO at JHS follows online rules.

Event Bridging the Gap

Time 11:00 - 12:00 (Einstein) / 12:00 - 1:00 (Newton)
Location Room 203 (all)
Number of Participants Up to 2
Required Materials None
Optional Materials None
Rule Clarifications Rules online. No clarifications or revisions.

Event Calculator Contest

Time 1:00 - 2:00
Location Room 226 (Newton) / Room 227 (Einstein)

Number of Participants 1

Required Materials Pencils, Non-programmable Calculator

Optional Materials None

Rule Clarifications **Only 1 student per team** (not 2 as described in manual). Teams will have a maximum of 45 minutes to complete the test. Time is not a scoring factor. Ties will be broken with predetermined tie-breaker questions.

Event Cranium Command

Time 9:00 - 10:00
Location Room 143 (Newton) / Room 147 (Einstein) / Room 152 (Hubble)
Number of Participants Up to 2
Required Materials Pencils
Optional Materials None
Rule Clarifications Rules online. No clarifications or revisions.

Event Crash Landing

Time 1:30 - 2:30
Location Lecture Hall (all) / Launch Site: Main Gym
Number of Participants 2
Required Materials None
Optional Materials None
Rule Clarifications Rules online. Devices will be dropped from the second floor balcony overlooking the gymnasium floor. The drop is approximately 15 feet.

Event Estimania

Time 1:00 - 2:00
Location Room 225 (all)
Number of Participants Up to 2
Required Materials Pencils
Optional Materials Calculator, Ruler, Other Measuring Tools
Rule Clarifications 1 point will be awarded for 41-50% away from the answer. Ties will be broken with pre-determined tie-breaker questions. Time will not be a scoring factor.

Event Food for Thought

Time 11:00 - 12:00
Location Room 131 (Newton) / Room 133 (Einstein) / Room 134 (Hubble)
Number of Participants Up to 2
Required Materials Pencils
Optional Materials Non-programmable Calculator
Rule Clarifications Rules online. ESO at JHS will use rules online, not those in similarly named event in the ESO Coaches Manual. No clarifications or revisions.

Event Geometrics

Time 12:00 - 1:00
Location Room 223 (all)
Number of Participants Up to 2
Required Materials Pencils, 12-inch Ruler, Protractor
Optional Materials Non-programmable Calculator
Rule Clarifications Rules online. No clarifications or revisions.

Event Get Your Bearing

Time 10:00 - 11:00 (Newton) / 11:00 - 12:00 (Einstein)
Location Practice Gym (all)
Number of Participants Up to 2
Required Materials Compass, Pencils
Optional Materials Calculator, Notes
Rule Clarifications Teams may complete 2 separate courses with the total correct markers and total time elapsed used for the team's score. Up to 6 different courses may be utilized in the competition.

Event Grab a Gram

Time 9:00 - 10:00 (Newton) / 10:00 - 11:00 (Einstein)

Location Room 225 (all)

Number of Participants Up to 2

Required Materials None

Optional Materials None

Rule Clarifications Students will mass samples at up to six stations.

Event How Do You Spell Science?

Time 9:00 - 10:00 (Qualifying Round) / 1:00 - 2:00 (Finals)

Location Room 114 (Newton) / Room 115 (Einstein) / Room 116 (Hubble & Finals-all)

Number of Participants Up to 2; Same participants must compete in finals, if they advance.

Required Materials Pencils

Optional Materials None

Rule Clarifications All teams will be given the same 20 words to spell and define in the form of a spelling test during the morning competition. The top 8 scorers from the test will advance to the finals. The finals will consist of a spelling bee competition. Teams will be required to define the word they are asked to spell beginning with the fourth round.

Event In Bloom

Time 12:00 - 1:00

Location Room 206 (Newton) / Room 208 (Einstein) / Room 209 (Hubble)

Number of Participants Up to 2

Required Materials Pencils

Optional Materials None

Rule Clarifications Rules online. No clarifications or revisions.

Event Knock, Knock, Who's There?

Time 10:00 - 11:00

Location Room 125 (Newton) / Room 126 (Einstein) / Room 127 (Hubble)

Number of Participants Up to 2

Required Materials Pencils

Optional Materials None

Rule Clarifications Teams may contain up to two students. Teams will have a maximum of 45 minutes to complete the test. Time is not a scoring factor.

Event Map Reading

Time 9:00 - 10:00

Location Bandroom (all)

Number of Participants Up to 2

Required Materials Pencils

Optional Materials None

Rule Clarifications Teams will have 40 minutes to complete this event. Time is not a scoring factor.

Event Mystery Architecture

Time 9:00 - 10:00 (Einstein) / 10:00 - 11:00 (Newton)

Location Room 203 (all)

Number of Participants Up to 2

Required Materials None

Optional Materials Scissors, Ruler, Tennis Ball

Rule Clarifications No clarifications or revisions.

Event Name the Scientist

Time 1:00 - 2:00

Location Room 143 (Newton), Room 147 (Einstein), Room 152 (Hubble)

Number of Participants Up to 2

Required Materials Pencils

Optional Materials None

Rule Clarifications Teams may be comprised of up to 2 students (up from 1 in the manual). The concentration game will not be included in the event. Teams will have a maximum of 45 minutes to complete the quiz. Time is not a scoring factor.

Event Pastamobile

Impounding Time 9:00 - 9:30

Impounding Location Room 124 (all) / Return to Location to Pick-Up Vehicle at 1:00

Launch Time 1:00 - 2:00

Launch Location Main Gym (all)

Number of Participants Up to 2

Required Materials Prebuilt Pastamobile Vehicle, Samples of Pasta Used

Optional Materials None

Rule Clarifications Teams may have a maximum of 2 students. The ramp's height & length may extend up to 1.5 meters. Pastamobiles will be run on a gymnasium floor. The ESO at JHS will use the following scoring method. Pastamobiles which lose their structural integrity (fall apart) will be penalized. Those pastamobiles which remain completely intact during their run will receive 100% of their distance score. Pastamobiles which suffer minor structural damage (small pieces broken) will be penalized 5%, thus receiving 95% of their distance score. Pastamobiles which, in the judge's opinion, lose over 1/4 of their structure during their run will be penalized 15%, thus receiving 85% of their distance score. Finally, those pastamobiles which lose over 1/2 of their structure during their run will be penalized 25%, thus receiving 75% of their distance score.

Event Propeller Propulsion

Time 9:00 - 10:00 (Newton) / 10:00 - 11:00 (Einstein)

Location Main Gym (all)

Number of Participants Up to 2

Required Materials Prebuilt Airplane, Extra Rubber Band

Optional Materials None

Rule Clarifications Teams will draw numbers to determine launch order at the start of their assigned time period. A prefabricated kit may be utilized to build the plane. The maximum wing span for the plane is **18 inches**. Only wood, paper, and adhesive are permitted in the design of the body and wings. Landing wheels that are not wooden or paper are not permitted. The plane may be painted, however decals are not permitted. The propeller and rubber band may be attached to the body with metallic pieces. Only one propeller is permitted, it may be made of plastic. The maximum size of the rubber band shall be 1/8" in width and 7" in length (rubber band size 117). Rubber bands must be commercially purchased; teams shall provide an extra rubber band to judges prior to launch. Rubber bands must be manually wound by the student participant prior to launch; automatic winders are not permitted. Mylar is not permitted in the design of the plane.

Event Quick Sketch

Time 12:00 - 1:00
Location Room 130 (Newton) / Room 132 (Einstein)
Number of Participants 2
Required Materials 48 colored pencils, markers, or crayons (24 per team member) in clear plastic bags.
Eraser, if desired.
Optional Materials None
Rule Clarifications Rules online. Format of rounds updated for 2012. No clarifications or revisions.

Event Scrabble Sprint

Time 11:00 - 12:00
Location Lecture Hall (all)
Number of Participants Up to 2
Required Materials Pencils
Optional Materials None
Rule Clarifications Rules online. Scoring method updated for 2012. No clarifications or revisions.

Event Simple Machines

Time 11:00 - 12:00
Location TBA
Number of Participants Up to 2
Required Materials Pencils
Optional Materials None
Rule Clarifications Advanced version of event will be utilized. Teams may rotate through stations or complete the event as a test. Teams will have a maximum of 45 minutes to complete the event. Time is not a scoring factor.

Event Starry, Starry Night

Time 12:00 - 1:00
Location Room 153 (Newton) / Room 154 (Einstein) / Room 155 (Hubble)
Number of Participants Up to 2
Required Materials Pencils
Optional Materials None
Rule Clarifications Teams will have a maximum of 45 minutes to complete the test. Time is not a scoring factor. Ties will be broken with predetermined tie-breaker questions. Teams will not be required to bring pen lights.

Event Third Rock from the Sun

Time 9:00 - 10:00
Location Room 132 (Newton) / Room 133 (Einstein) / Room 136 (Hubble)
Number of Participants Up to 2
Required Materials Pencils
Optional Materials None
Rule Clarifications Rules online. No clarifications or revisions.

Event Triple Play

Time 10:00 - 11:00

Location Lecture Hall (all)

Number of Participants Up to 3

Required Materials Pencils

Optional Materials None

Rule Clarifications Rules online. No clarifications or revisions.

Event Weather or Not

Time 10:00 - 11:00

Location Room 153 (Newton) / Room 154 (Einstein) / Room 155 (Hubble)

Number of Participants Up to 2

Required Materials Pencils

Optional Materials Non-programmable Calculator

Rule Clarifications Rules in coaches manual and online. No clarifications or revisions.

Event What Are You Trying to Tell Me?

Time 11:00 - 12:00

Location Room 114 (Newton) / Room 115 (Einstein) / Room 116 (Hubble)

Number of Participants Up to 2

Required Materials Pencils

Optional Materials None

Rule Clarifications Rules online. No clarifications or revisions.

Event Write It, Do It

Time 1:00 - 2:00

Location Writers: Room 135 (Newton) / Room 137 (Einstein)

Doers: Room 134 (Newton) / Room 136 (Einstein)

Number of Participants 2 to 4

Required Materials Pencils (Writers Only)

Optional Materials None

Rule Clarifications Teams may have up to four members. Teams may field between 1 and 3 writers and doers (any combination to total a maximum of 4 students).