

ESO | ESO at JHS 2010 Rule Clarifications

Last Updated January 6, 2010
Complete Rules Unless noted, complete event rules can be found in the ESO Coaches Manual (5th 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 **A is for Anatomy**

Time 11:00 - 12:00
Location Room 233 (all)
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.

Event **Boggle Science**

Time 11:00 - 12:00
Location Room 130 (Newton) / Room 131 (Einstein)
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 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 None
Rule Clarifications Rules online. No clarifications or revisions.

Event **Calculator Contest**

Time 1:00 - 2:00
Location Room 152 (Newton) / Room 154 (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 Chopper Challenge

Time 11:00 - 12:00 (Newton) / 12:00 - 1:00 (Einstein)

Location Lecture Hall (all) / Drop Site: Main Gym

Number of Participants Up to 2

Required Materials None

Optional Materials Pencils, Ruler, Scissors

Rule Clarifications Teams will construct two of the three choppers as described in the event instructions. The two types of chopper to be constructed will be revealed at the start of the event. Teams will receive 20 minutes to construct their choppers.

Event Cranium Command

Time 9:00 - 10:00

Location Room 123 (Newton) / Room 124 (Einstein)

Number of Participants Up to 2

Required Materials Pencils

Optional Materials None

Rule Clarifications Rules online. No clarifications or revisions.

Event Crash Landing

Time 1:00 - 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

Event Cutting Edge

Time 12:00 - 1:00

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

Number of Participants Up to 2

Required Materials Pencils

Optional Materials None

Rule Clarifications Rules online. No clarifications or revisions.

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 Ties will be broken with pre-determined tie-breaker questions. Time will not be a scoring factor.

Event Food for Thought

Time 12:00 - 1:00
Location Room 125 (Newton) / Room 126 (Einstein)
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 11:00 - 12:00
Location Room 123 (Newton) / Room 124 (Einstein)
Number of Participants Up to 2
Required Materials Pencils
Optional Materials Non-programmable Calculator
Rule Clarifications Rules online. No clarifications or revisions.

Event Going Green

Time 1:00 - 2:00
Location Room 206 (Newton) / Room 208 (Einstein)
Number of Participants Up to 2
Required Materials Pencils
Optional Materials Non-programmable Calculator
Rule Clarifications Rules online. No clarifications or revisions.

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 114 (Finals)
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 130 (Newton) / Room 131 (Einstein)
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 153 (Newton) / Room 155 (Einstein)
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 Mystery Architecture

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 Scissors, Ruler, Tennis Ball
Rule Clarifications No clarifications or revisions.

Event Pastamobile

Impounding Time 9:00 - 9:30
Impounding Location Room 116 (all)
Launch Time 1:00 - 2:30
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 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 Picture This

Time 9:00 - 12:00 / Teams sign-up for a specific time block beginning January 14th
Location Room 112 (all)
Number of Participants 3
Required Materials None
Optional Materials None
Rule Clarifications All three team members must alternate as sketchers. 24 total words will be used. The time of the round will be 4 minutes. Words not played (including the final word in progress when time is called) will not be scored.

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 All teams must impound their planes at the start of the event. Teams will draw numbers to determine launch order. 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. 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 (14" circumference). Rubber bands must be commercially purchased; teams shall provide an extra rubber band to judges prior to launch.

Event Science Detectives

Time 9:00 - 10:00
Location Room 233 (all)
Number of Participants Up to 2
Required Materials Pencils
Optional Materials None
Rule Clarifications Rules in coaches manual and online. Teams will have 20 minutes to complete each part (parts may be completed in reverse order by some teams). Following the two 20-minute sessions, teams will be given an additional 5 minutes to review their answers before all answer sheets must be turned in.

Event Starry, Starry Night

Time 12:00 - 1:00
Location Room 143 (Newton) / Room 147 (Einstein)
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 Treasure Hunt

Time 10:00 - 11:00 (Newton) / 11:00 - 12:00 (Einstein)
Location Practice Gym (all)
Number of Participants Up to 2
Required Materials Compass
Optional Materials None
Rule Clarifications Teams may be asked to mark up to three treasure locations in which case scores will be the sum of the distances from each treasure location.

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 125 (Newton) / Room 126 (Einstein)
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 152 (Newton) / Room 154 (Einstein)
Number of Participants Up to 2
Required Materials Pencils
Optional Materials None
Rule Clarifications Rules online. No clarifications or revisions.

Event Which Way's North?

Time 9:00 - 10:00
Location Lecture Hall (all)
Number of Participants Up to 2
Required Materials Pencils
Optional Materials Non-programmable Calculator, Notes Sheet
Rule Clarifications Rules in coaches manual and online. Notes must be handwritten by a student participant.

Event Write It, Do It

Time 1:00 - 2:00
Location Writers: Room 134 (Newton) / Room 136 (Einstein)
Doers: Room 135 (Newton) / Room 137 (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