

*Last Updated* January 8, 2024  
*Complete Rules* Unless noted, complete event rules can be found in the ESO Coaches Manual (6th edition). For events with rules available online, visit the ESO at JHS Event Archive at [www.esoatjhs.org/archive.html](http://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. For all events, cell phones shall be placed underneath desks during the event.

### Event **A is for Anatomy**

*Time* 12:00 - 1:00 (all)  
*Location* Room 136 (n), 137 (e)  
*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 **Aerodynamics**

*Time* 11:00 - 12:00 (n), 10:00-11:00 (e)  
*Location* Room 143 (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 and will receive unlimited test launches, as time permits. 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 **Barge Building**

*Time* 10:00 - 11:00 (n), 11:00 - 12:00 (e)  
*Location* Room 203 (all)  
*Number of Participants* Up to 2  
*Required Materials* None  
*Optional Materials* None  
*Rule Clarifications* Barges will be built from heavy duty aluminum foil. The predicted cargo number will be used as a tie-breaker only. All teams will initially be ranked on total pieces of cargo held by their barge.

### Event **Calculator Contest**

*Time* 2:00 - 3:00 (all)  
*Location* Room 206 (all)  
*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 **Crash Landing**

*Time* 1:00 - 2:00 (n), 2:00 - 3:00 (e)  
*Location* Lecture Hall (all), Drops in 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 Dinosaurus and Disasters**

*Time* 1:00 - 2:00 (all)  
*Location* Room 132 (n), 133 (e)  
*Number of Participants* Up to 2  
*Required Materials* Pencils  
*Optional Materials* Non-programmable Calculator  
*Rule Clarifications* Rules online. No clarifications or revisions. See online rules for study resources.

**Event Flight Test**

*Time* 11:00 - 12:00 (all)  
*Location* Room 153 (n), 155 (e)  
*Number of Participants* Up to 2  
*Required Materials* Pencils  
*Optional Materials* None  
*Rule Clarifications* Rules online. No clarifications or revisions. See online rules for study resources.

**Event Food for Thought**

*Time* 1:00 - 2:00 (all)  
*Location* Room 153 (n), 155 (e)  
*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. See online rules for study resources. No clarifications or revisions.

**Event Geometrics**

*Time* 10:00 - 11:00 (all)  
*Location* Room 130 (n), 131 (e)  
*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 Going Green**

*Time* 12:00 - 1:00 (all)  
*Location* Room 114 (n), 115 (e)  
*Number of Participants* Up to 2  
*Required Materials* Pencils  
*Optional Materials* None  
*Rule Clarifications* Rules online. No clarifications or revisions. See online rules for study resources.

**Event Grab a Gram**

*Time* 1:00 - 2:00 (n), 12:00 - 1:00 (e)  
*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* 10:00 - 11:00 (all) / Finals 2:00 - 3:00 (all - top 6)  
*Location* Room 114 (n), 115 (e) / Finals Room 114 (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 15 words to spell in the form of a spelling test during the morning competition, after completing the spelling portion, teams will receive an additional 10 minutes to match each spelled word with a list of definitions. The top 6 scorers from the test will advance to the finals. The finals will consist of a spelling bee competition. In the Spelling Bee Finals, teams will be required to define the word they are asked to spell beginning with the fourth round.

**Event Infographics**

*Time* 12:00 - 1:00 (all)  
*Location* Room 152 (n), 154 (e)  
*Number of Participants* Up to 2  
*Required Materials* Pencils  
*Optional Materials* None  
*Rule Clarifications* Rules online. No clarifications or revisions.

**Event It's Elemental**

*Time* 1:00 - 2:00 (all)  
*Location* Room 125 (n), 126 (e)  
*Number of Participants* Up to 2  
*Required Materials* Pencils  
*Optional Materials* None  
*Rule Clarifications* Rules online. No clarifications or revisions.

**Event Launching Pad**

*Impounding Time* 10:00 - 10:30 (all) - Any school representative may bring devices to impounding.  
*Impounding Location* Room 123 (all)  
*Launch Time* 2:00 - 3:00 (n), 1:00 - 2:00 (e)  
*Launch Location* Main Gym (all)  
*Number of Participants* Up to 2  
*Required Materials* Prebuilt Launcher and Catcher  
*Optional Materials* None  
*Rule Clarifications* Rules online. No clarifications or revisions.

**Event Mystery Architecture**

*Time* 12:00 - 1:00 (n), 1:00 - 2:00 (e)  
*Location* Room 233 (all)  
*Number of Participants* Up to 2  
*Required Materials* None  
*Optional Materials* Scissors, Ruler, Tennis Ball  
*Rule Clarifications* Teams with towers that do not support the tennis ball will be ranked together behind all other scoring teams in a tie with all other non-scoring teams.

**Event Space Invaders**

*Time* 12:00 - 1:00 (all)  
*Location* Room 130 (n), 131 (e)  
*Number of Participants* Up to 2  
*Required Materials* Pencils  
*Optional Materials* None  
*Rule Clarifications* Rules online. No current event questions beyond 2023. See online rules for study resources.

**Event Triple Play**

*Time* 11:00 - 12:00 (all)  
*Location* Room 132 (n), 133 (e)  
*Number of Participants* Up to 3  
*Required Materials* Pencils  
*Optional Materials* None  
*Rule Clarifications* Rules online. No clarifications or revisions.

**Event Unbreakable**

*Impounding Time* 10:00 - 10:30 - Any school representative may bring vehicle to impounding.  
*Impounding Location* Lecture Hall (all)  
*Drop Time* 11:00 - 12:00 (n), 12:00 - 1:00 (e)  
*Drop Location* Main Gym  
*Number of Participants* Up to 2  
*Required Materials* Prebuilt Contraption  
*Optional Materials* None  
*Rule Clarifications* Rules online. No clarifications or revisions.

**Event Weather or Not**

<i>Time</i>	11:00 - 12:00 (all)
<i>Location</i>	Room 125 (n), 126 (e)
<i>Number of Participants</i>	Up to 2
<i>Required Materials</i>	Pencils
<i>Optional Materials</i>	Non-programmable Calculator
<i>Rule Clarifications</i>	Rules online differ from ESO Manual. ESO at JHS follows online rules. See online rules for study resources.

**Event Which Way's North?**

<i>Time</i>	10:00 - 11:00 (n), 11:00 - 12:00 (e)
<i>Location</i>	Room 233 (all)
<i>Number of Participants</i>	Up to 2
<i>Required Materials</i>	Pencils
<i>Optional Materials</i>	Non-programmable calculator (Notes are no longer permitted.)
<i>Rule Clarifications</i>	Rules online differ from ESO Manual. ESO at JHS follows online rules.

**Event Write It, Do It**

<i>Writers Time &amp; Location</i>	10:00 - 11:00 (all), Room 152 (n), 154 (e)
<i>Doers Time &amp; Location</i>	11:00 - 12:00 (all), Room 134 (n), 135 (e)
<i>Number of Participants</i>	1-3 Writers + 1-3 Doers, Minimum 2 Total, Maximum 4 Total
<i>Required Materials</i>	Pencils (Writers Only)
<i>Optional Materials</i>	None
<i>Rule Clarifications</i>	Teams may have up to four members. Teams may field between 1 and 3 writers and 1 and 3 doers (any combination to total a maximum of 4 students).