



2014 Delaware Science Olympiad Division C Competition March 1st 2014 Delaware State University

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Science Olympiad Volunteers
Delaware State University
Delaware Teachers of Science
Delaware Academy of Science

Schedule

- 8:00 am to 8:30 am: Team Registration Lobby of Education and Humanities Building
- 8:30 am: Competition and the first event rotation begins (throughout campus)
- 3:30 pm: Completion of events and retrieval of all impounded Items
- 4:00 pm: Assemble in the Education and Humanities Auditorium
- 4:05 pm: Introduction , Delaware State University
- 4:25 pm: Award Ceremony Show :Sarah Barker, Rob Jaquette, Morgan Wood, and Emily Richards
- 4:45 pm: Award Ceremony begins , Medals and Trophies

Special Thanks to the teachers, parents, businesses, and Delaware State University for their time and services as coaches and volunteers. We would like to also thank the Delaware Public, Parochial, Private and Home Schools of Delaware. Thank you also to Dr. Williams the President of Delaware State University and all of the Delaware State University support people who work behind the scenes to make this competition a success.



1355 Old Baltimore Pike, Newark, DE 19702
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About Delaware State University: Established as a land grant college in 1891 by an act of the general assembly of Delaware, The institute has developed into a 400-acre complex of modern facilities. DSU currently offers 52 undergraduate degree options, an impressive number for a school of DSU's size. It also offers 25 master's degree programs and five doctoral degree programs in areas such as interdisciplinary applied mathematics/mathematical physics and educational leadership. DSU's focus on cutting-edge research, technology and business practices have brought the University into modernity and made it a

**2014 Div. C Schedule - Delaware Science Olympiad State High School Tournament
Saturday, March 1, 2014 – Delaware State University, Dover, Delaware**

Your team number indicates the time period you are assigned to compete in each event – No Exceptions!! Students may enter ONE event per time period and a maximum of FIVE events overall. Teams have a maximum of 15 members and no alternates. Each team may have a maximum of 7 seniors. A ninth grader may participate in Div B or Div C, but not both divisions. All 24 events are for medals and for team points. Listed are the 23 National Events – rules for these are located in your Coaches Manual. Delaware Event is Adventures in Ag – the rules are on the DSO web site <http://www.delawarescienceolympiad.com> Have questions? E-mail descienceo@gmail.com. Coaches must trade their team registration forms for wristbands and programs between 8:00 and 8:30 a.m. in the Education and Humanities Building EH Lobby. There will be no morning assembly.

| Name of Event | # of students | Site | 8:30-9:30 | 9:40-10:40 | 10:50-11:50 | 12:00-1:00 | 1:10-2:10 | 2:20-3:20 |
|------------------------|---------------|-------------|-----------|------------|-------------|------------|-----------|-----------|
| #Adventures in Ag | 1 or 2 | MH201 | 1-10 | 11-20 | 21-30 | 31-40 | 41-50 | 51-60 |
| Anatomy and Physiology | 1 or 2 | SC111-SC113 | | | | 1-20 | 21-40 | 41-60 |
| Astronomy | 1 or 2 | SC223 | | | | 41-60 | 1-20 | 21-40 |
| **Boomilever | 1 or 2 | PR112 | 51-60 | 1-10 | 11-20 | 21-30 | 31-40 | 41-50 |
| Bungee Drop | 1 or 2 | SC Lobby | 41-50 | 51-60 | 1-10 | 11-20 | 21-30 | 31-40 |
| Chem Lab | 1 or 2 | SC255 | 41-60 | 1-20 | 21-40 | | | |
| Circuit Lab | 1 or 2 | PR109 | 21-30 | 31-40 | 41-50 | 51-60 | 1-10 | 11-20 |
| Compound Machines | 1 or 2 | SC259 | 1-10 | 11-20 | 21-30 | 31-40 | 41-50 | 51-60 |
| Designer Genes | 1 or 2 | SC255 | | | | 1-20 | 21-40 | 41-60 |
| Disease Detectives | 1 or 2 | SC139 | | 1-60 | | | | |
| Dynamic Planet | 1 or 2 | SC223 | 41-60 | 1-20 | 21-40 | | | |
| Elastic Launch Glider | 1 or 2 | WRC2 | 31-40 | 41-50 | 51-60 | 1-10 | 11-20 | 21-30 |
| Entomology | 1 or 2 | SC211 | | | | 21-40 | 41-60 | 1-20 |
| Experimental Design | 1,2,or 3 | PR206 | 21-40 | 1-20 | 41-60 | | | |
| Forensics | 1 or 2 | SC242 | | | | 21-40 | 41-60 | 1-20 |
| Geologic Mapping | 1 or 2 | SC323 | 11-20 | 21-30 | 31-40 | 41-50 | 51-60 | 1-10 |
| *MagLev | 1 or 2 | SC213 | 1-10 | 11-20 | 21-30 | 31-40 | 41-50 | 51-60 |
| Materials Science | 1 or 2 | MH104 | 21-30 | 31-40 | 41-50 | 51-60 | 1-10 | 11-20 |
| *Mission Possible | 1,2,or 3 | WRC1 | 41-50 | 51-60 | 1-10 | 11-20 | 21-30 | 31-40 |
| Rocks and Minerals | 1 or 2 | PR213 | | | | 41-60 | 1-20 | 21-40 |
| *Scrambler | 1 or 2 | WRC1 | 31-40 | 41-50 | 51-60 | 1-10 | 11-20 | 21-30 |
| Technical Problem So | 1 or 2 | SC211 | 1-20 | 21-40 | 41-60 | | | |
| Water Quality | 1 or 2 | SC242 | 41-60 | 21-40 | 1-20 | | | |
| Write It Do It | 2 req. | PR211-PR213 | 1-20 | 21-40 | 41-60 | | | |

Impound at event location between 8:00 and 8:30 a.m. Must be picked up at event location by 3:30 p.m.

****Boomilever is an impound events in Delaware**

***Must be impounded.**

(Delaware Event)



Science Olympiad is a national non-profit organization dedicated to improving the quality of K-12 science education, increasing male, female and minority interest in science, creating a technologically-literate workforce and providing recognition for outstanding achievement by both students and teachers. These goals are achieved by participating in Science Olympiad tournaments and non-competitive events, incorporating Science Olympiad into classroom curriculum and attending teacher training institutes.

For the past 30 years, Science Olympiad has led a revolution in science education. What began as a grassroots assembly of science teachers is now one of the premiere science competitions in the nation, providing rigorous, standards-based challenges to nearly 6,200 teams in 50 states. Science Olympiad's ever-changing event lineup provides a variety of career choices and exposure to practicing scientists and mentors. In the words of a Science Olympiad alumnus: "I consider Science Olympiad the most important and influential activity I participated in during my middle school and high school career."

| <u>Team #</u> | <u>School</u> | <u>Head Coach</u> |
|---------------|----------------------|---------------------|
| 1C | TriState Home | Amy Johnson |
| 2C | Tall Oaks Classical | Denita Walker |
| 3C | Middletown HS | Sandra Porto |
| 4C | Middletown HS | Jenna Hall |
| 5C | Appoquinimink HS | Eric Wilt |
| 6C | Appoquinimink HS | Samantha Neubert |
| 7C | Concord HS | Rob Lancaster |
| 8C | Sanford | Donna Farrar |
| 9C | Sanford | Mark Wagner |
| 10C | Wilmington Christian | Janice Johnson |
| 11C | Archmere | Glenn Hartman |
| 12C | Archmere | Dmitri Gusakov |
| 13C | Cab Calloway | Reese Rigby |
| 14C | Cab Calloway | Steven Field |
| 15C | Dickinson HS | Jim Lewis |
| 16C | Del Acad of Pub.Saf. | Erin Leighty |
| 17C | Padua | Brandon Lawler |
| 18C | St. Elizabeth | Bernadette Kegelman |
| 19C | St. Marks | Marc Chapdelaine |
| 20C | Caesar Rodney | Damian Parkhill |
| 21C | Caravel | Ann Garrison |
| 22C | Caravel | Laura Francisco |
| 23C | Wilmington Friends | Ellen Johnson |
| 24C | Wilmington Friends | Matt Cauchy |
| 25C | Delmar | Valerie O'Day |
| 26C | Salesianum | Jennifer Albanese |
| 27C | Tatnall | Josh Gates |
| 28C | Charter | Glenn Heffner |
| 29C | Charter | Rose Lounsbury |
| 30C | Red Lion Christian | Amanda Hackworth |
| 31C | William Penn HS | Chris Wellborn |
| 32C | William Penn HS | Megan Bone |
| 33C | William Penn HS | Casey Ryan |
| 34C | Dover HS | Cheryl Heslinga |
| 35C | Dover HS | Jennifer Holden |
| 36C | Laurel HS | Jennifer Gormer |
| 37C | Laurel HS | Anthony Prisco |
| 38C | Conrad | Cristin Brown |
| 39C | Conrad | Dana Hammaker |
| 40C | | |
| 41C | Tower Hill | Jennifer Romano |
| 42C | Towle | Wade Thorpe |
| 43C | Ursuline | Terry Blanch |
| 44C | Sussex Tech | Chris Aiken |
| 45C | Sussex Tech | Dennis Redington |
| 46C | AI duPont | Clark Moncure |
| 47C | AI duPont | Kris Anania |
| 48C | Newark | Chuck Halfen |
| 49C | Newark | John Woodruff |
| 50C | Cape Henlopen | Bill.Geppert |
| 51C | | |
| 52C | Mt. Pleasant HS | Lisa Hollis |
| 53C | DMA | Tammy Averell |
| 54C | DMA | Dane Holland |
| 55C | Lake Forest HS | Charlene Kemmerle |
| 56C | Christiana HS | David Baker |
| 57C | Delmarva Christian | Kim Henry |
| 58C | Delmarva Christian | Marianne Timko |
| 59C | Delcastle | Geri Swain |
| 60C | Delcastle | Liz Nowak |

Event Supervisors

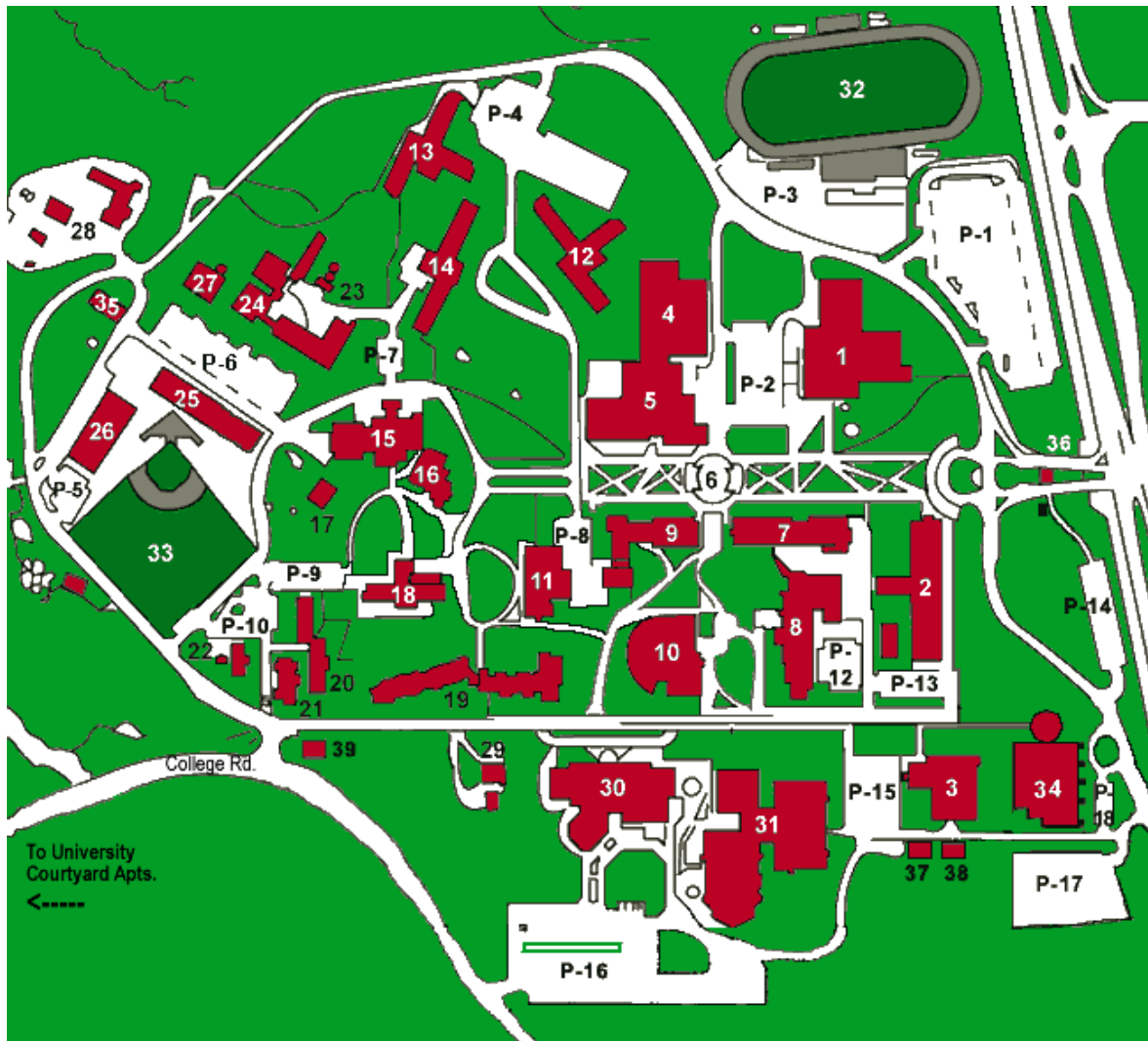
| | |
|-------------------------------|---|
| Adventures in Ag | Brianna Barkus, Karen Wiener, Nancy Hasse |
| Anatomy and Physiology | Teresa Szabo Maas |
| Astronomy | Scott Jackson |
| BooMilever | Brian Gantzhorn, Mark Heinemann, Win Bookhart, Maggie McCormick, Denise Thomas |
| Bungee Drop | Ben Goldstein |
| Chem Lab | Marge Christoph, Gerry Swan, David Pike |
| Circuit Lab | Wayne Lu, Bill Stewart, Walt Gordon, Ashley Anderson, Bright Lu |
| Compound Machines | Michael Johnson |
| Designer Genes | Michele Alexander |
| Disease Detectives | Don Lehman |
| Dynamic Planet | Tiffany Bellmeyer, Tasmin Amin, Katie Hendrick |
| Elastic Launch Glider | Paula & Scott McCarter, Paul and Tommy Laux |
| Entomology | Ashley Pleebes |
| Experimental Design | Joe Kurin & WLGORE associates |
| Forensics | Tim Dorsey |
| Geologic Mapping | Lisa Poirier, Aswin Monian |
| MagLev | Mike Brenner and David Stover |
| Materials Science | Lei Zhang, Luke Ampsacher |
| Mission Possible | Lauren Cordova, Deborah Varnell, Ryan Quirk |
| Rocks and Minerals | Gene Pulcher |
| Scrambler | Gordon Lipsy, George & Lorraine Lacsny, Kolby Dukes, Vic Leonard |
| Technical Problem So | Bill Herdle |
| Water Quality | Lesley Bensiger |
| Write It Do It | Etaine Jackson |

Delaware Science Olympiad Board

| | |
|---------------------------|-----------------------------|
| Director: | Gerald Poirier |
| Content Directors: | |
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| Earth Science | Samantha Neubert |
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| Physics | Lei Zhang |
| Technology | Tom and Jill Hounsel |
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| | Tim Dalby, Gordon Lipsy, |



Delaware State University Map



- 1 MLK Student Center
- 5 WRC and Memorial Hall (MH)
- 2 Price (PR)
- 7 Science Center (SC)
- 8 Science Center (SC)
- 31 E&H Building (EH) Award Ceremony