

PRIZES

Engraved Plaques

Engraved plaques will be awarded to the schools placing first through fifth in the state combining the three second year subjects and two Integrated Science tests (total of 5 plaques), and to the schools placing first through fifth in the state in each individual second year discipline and Integrated Science tests (total of 25 plaques).

State Awards

The top 4 students in the state in Biology, Chemistry, Physics, Integrated Science, and Advanced Integrated Sciences will receive a commemorative gift and an honor cord. These students, known as Merck Scholars, will be honored with their coach and parents at a special ceremony to be held on June 4, 2010, at Merck and Co., Inc. in Rahway, NJ. Students ranking 5th through 19th in the state will receive an Honorable Mention award.

County Awards

A plaque will be awarded to the **school** with the highest combined **team scores** in each county. The student with the top score in the county on each test will receive a certificate of recognition.

Certificate of Participation

Each student competing in the Merck State Science Day program will be awarded a certificate of participation.

Registration

All registration will take place online from February 1 – April 9, 2010. Please complete the form at: <http://njacs.org/mssdform.html>

**REGISTRATION DEADLINE IS
APRIL 9, 2010**

Confirmation of registration will be sent electronically. All registrants must have a working email address.

Inquiries

Please email inquires to:

Email: MerckSSD@gmail.com
Voice: 201-787-0108
Fax: 973-822-2575

Merck State Science Day Committee

Margaret Holzer, Chair
Chatham HS
Chatham, NJ

Elizabeth Howson, Chair
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John Penna
Retired

Edward Colangelo
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Donald Williams
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Science Day program
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The New Jersey
Science Teachers
Association
Announces

❖ 60th ❖

ANNUAL

MERCK

STATE

SCIENCE

DAY

MAY 19, 2010



Program

The Merck State Science Day program provides for competition between individuals and among teams of secondary school students in the subjects of Biology, Chemistry, Earth Science, Physics and Environmental Science.

Location

The Merck State Science Day program will be held simultaneously at each school that registers. Schools are encouraged to get together at a mutual location.

Time

The examinations will start at 9:30 AM and end at approximately 11:30 AM. Answer sheets must be returned in the envelope provided on the day of the competition by US mail or UPS. All answer sheets must be sent to the scoring group on Friday, May 21, 2010. Answer sheets that arrive after that date will not be scored.

Eligibility

Students from grades 10 through 12 are eligible to compete. A school may be represented by only one grade or by a combination of grades. Students taking the first year Integrated Science exam may have taken only one year of each science, and may NOT be currently taking, nor have taken, an AP level or a second year course of ANY science during their high school career. ALL AP students MUST take the SECOND YEAR exam or the Advanced Integrated Science within the Environment Exam.

Tests

An Integrated Science exam incorporating **first year level** Earth Science, Biology, Chemistry and Physics will be given again this year. There will also be exams for **second year/AP** Biology, Chemistry and Physics. We will continue the “**Advanced Integrated Science within the Environment Exam**”. This exam integrates all the sciences at a high level and is for students who are taking, or have completed, advanced and AP level science courses. Questions will be scenario based and require students to integrate knowledge from all sciences to solve the problems and questions.

Number of Entrants

Each secondary school in New Jersey is invited to enter one or more students as follows:

- If the total enrollment is 500 or fewer, the school may enter 3 students per exam, for a maximum number of 15 students.
- If the total enrollment is 501-1000, the school may enter 4 students per exam, for a maximum number of 20 students.
- If the total enrollment is over 1000, the school may enter 5 students per exam, for a maximum number of 25 students.
- All schools will receive a complete team packet of tests for the appropriate school size.

Individual Scores

Individual scores in each subject and the integrated tests will be computed on the basis of the number of correct answers.

Team Scores

Team scores will be computed in each subject **only when there is a complete team** (maximum number of participants allowed for that test). All scores will count towards the team score. Team scores on each test will be computed by summing the individual scores of the complete team and dividing the sum by the number of team members.

Combined Team Scores

A combined team score will be computed **only** when there is a **complete team score** in all exams. The combined team score will be computed by summing the five complete team scores and dividing by five.

Exam Supervision

The Science Coordinator or a high school faculty member should supervise the exam and return the answer sheets via US mail or UPS the same day.

Calculators

Calculators may be used. However, calculators with programmatic capability may not be used.

Announcement of Results

Each participating school will receive electronically a complete list of winners as soon as the results have been computed.
