

ISS/Fair 2005

ISS/Fair 2005 Queens College/Queens High Schools SCIENCE TEACHER CAREERS PROGRAM



conEdison
Principal Sponsor

School Agenda - Schedule:

- Feb 1 - Feb 11:**
- 1) In High Schools, **Announce ISS/Fair 2005: STUDENT RUBRIC** given to Students.
 - 2) Initial Student Research re: Selection of Topics.
 - 3) Students prepare and submit first draft of research plan.
 - 4) Teacher returns draft of plan to students with comments.
 - 5) Students submit revised final plans to teachers.
 - 6) Students Project Investigations begin.
- Feb 14** **Required HS Registration with QC ISS/Fair 2005 Committee. Extended to March 23.**
- Feb 14 - March 25:** **At High Schools: Student Project Investigations are implemented. [HS Registration by March 23.]**
- March 28 - April 8:** Students complete their Project summations and prepare display boards for their school competitions.
- April 4 - 15:** Evaluation of Science Projects in High Schools by Teacher Committees using the **ISS/Fair Assessment Rubric**, teachers select the 3 best projects of their school to be exhibited at Queens College.
- April 20** **Deadline for Registration for School Project Finalists to be submitted to Queens College.**
- May 3** **Deadline for Project & Abstract Registration Form of the 3 best school projects to be submitted to Queens College.**
- May 12:** **Exhibition at Queens College of Winning Student Exhibits:**
ISS/Fair for Spring 2005 of best school projects are exhibited at Queens College, Includes:
- Visits to College research laboratories
 - Luncheon and **Awards Ceremony for students, teachers and parents.**

General Criteria and Limitations on Research:

- Only ninth and tenth graders are eligible to submit projects.
- Students may work on projects alone or in pairs (**no more than 2 students per project**).
- **Research Categories:**
 - Projects are **'Hands-on, Minds-on' investigations** in which data are collected and analyzed.
 - **No Internet Search** projects.
 - **No Projects with human subjects including No questionnaires.**
 - **Projects with animals** must follow NYCSEF research guidelines.
- **ISS/Fair 2005 Standards-Based Rubric** for teacher and student reference to be widely distributed to students during the planning of their projects.
- **Submitted projects should include** a display board with data including:
 - **Title in the form of the Inquiry Question investigated**
 - Actual procedure followed
 - Analysis, conclusions and new questions from the investigation
 - Student investigators will also submit a **Detailed Project Abstract** including all the above elements.

Suggested Investigative Subjects: - But you are **not** limited to these:

- **Student's Urban Environment:** qualities of air, water, space, traffic and housing
- Behavior of plants, animals and birds
- **Simple objects:** liquids, pendula, springs, the **interactions of light** with lenses, mirrors
- **Properties of Matter** in solids, liquids or gases
- **Energy and Power:** electrical energy, solar energy and energy efficiencies in the home, in the City or in transportation.

- The ISS/Fair 2005 Planning Committee

Mark Miksic, Co-Organizer, Queens College
Thomas Strekas, Dean, Math & Sciences QC
Steve Schwarz, Asst. Dean Math & Sciences QC
Steve Berman, Bayside High School
Marianita Damari, Region 3

Norman Cohn, Co-Organizer, Franklin K. Lane HS
Susan Brustein, Townsend Harris HS
Michael Renna, Hillcrest High School
Robert Soel, John Bowne HS
Diane Pillersdorf, Region 5

FOR MORE INFORMATION CALL: Mark Miksic, 718-997-3379 or Email: mgmiksic@qc.edu Website: www.qc.edu/STC