

# SCIENCE & ENGINEERING EXPO

Saturday, April 29, 2017

Open to all students from the Hicksville schools and surrounding communities. Limited to the first 100 entries.  
*Each project should reflect the age and ability of the student.*

To Be Held At

The Social Hall of the Evangelical Lutheran Church of St. Stephen

270 South Broadway, Hicksville, NY

**INDIVIDUAL AND GROUP ENTRIES** may be in the form of an experiment which follows the standard scientific method, **or** an engineering project designed to use principles of physics and chemistry to solve a common or uncommon problem. Complex solutions to simple problems (Rube Goldberg contraptions) are encouraged! Experiment entries must have a write up that describes: the purpose, initial research, a description of the experiment, observations, preparation of data, and conclusions (including possible sources of error). Engineering projects must have a written description of the problem and how you went about solving it, including the physical principles involved. **The project must be the student's work (no parental help, please).** In addition to your experimental apparatus or project, you should include a display board or a standard size oaktag sheet (which may be attached to the front table edge) for your write up including charts, diagrams, labels, graphs, pictures, etc. The entire set-up should take up a space no larger than 36" wide by 22 inches deep on the table itself and must not be wider than 36" above or below the table. You must supply your own extension cord if your project requires electricity.

**PROHIBITED:** Fire, hazardous chemicals, explosions and sharp, heavy, or fast moving projectiles.

**RECEIVING:** At St. Stephen's, Saturday, April 29, 2017 from 10:00 to 11:00 A.M. *All projects must be set up at least 15 minutes prior to the beginning of the judging for grades 1 and 2, or the student will not be allowed to participate.*

**PUBLIC DISPLAY:** Saturday, April 29, 10:00 - 11:00 AM and 3:00 - 3:30 PM. Projects awarded honors and high honors may be taken to the Gregory Museum for further display from April 29 through May 7. These projects must be picked up at the museum by Sunday, May 7 between 1 and 4 P.M. All other projects must be taken home after the awards ceremony.

**JUDGING:** Judging criteria are posted on the museum website ([www.gregorymuseum.org](http://www.gregorymuseum.org)). Students will generally be seen by at least three judges, and for each one, the entrants must be prepared to make a two minute oral presentation and demonstration of their project, and be ready to answer any questions. ***During presentations, only the student participants will be allowed in the room.*** **THE JUDGING SCHEDULE** is tentatively set as follows, but may be changed depending upon the number of entries in any one grade grouping. The final schedule will be posted on the museum's web site by April 26. It is possible that the groups listed below may be combined or split depending upon the number of entries in the individual groups.

**Group 1**--Grades 1 and 2: 11:15 AM - 12:15 PM; **Group 2**--Grades 3 and 4: 11:15 AM - 12:15 PM  
**Group 3**--Grades 5 and 6: 12:15 - 1:45 PM; **Group 4**--Grades 7 and 8: 12:15 - 1:45 PM  
**Group 5**--Grades 9 and 10: 1:45 - 3:00 PM; **Group 6**--Grades 11 and 12: 1:45- 3:00 PM

**AWARDS:** All students entering will receive a participation certificate. Awards of distinction—high honors, honors and honorable mention—may be given, and will be at the discretion of the judges and organizing committee. Each type of honor award will not necessarily be given in every group. Presentation ceremonies will begin at about 3:30 PM.

**ENTRY:** Each participant should fill out the form below and return it to the Gregory Museum **along with a \$5.00 entry fee per person** by April 26, 2017. Additional entry forms, information and updates are available at **[www.gregorymuseum.org](http://www.gregorymuseum.org)**.

PLEASE CLIP OFF THE ENTRY FORM BELOW AND RETURN TO THE MUSEUM WITH THE ENTRY FEE. KEEP THE INSTRUCTIONS FOR YOUR RECORDS.

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PLEASE PRINT CLEARLY

Student's Name \_\_\_\_\_ Grade \_\_\_\_\_

Address \_\_\_\_\_ Phone \_\_\_\_\_

City/State/Zip \_\_\_\_\_ Email \_\_\_\_\_

School \_\_\_\_\_ Project Title \_\_\_\_\_

Is this an individual \_\_\_\_\_ or group \_\_\_\_\_ project? Name of partner(s) \_\_\_\_\_