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University of Florida  
Center for Precollegiate Education and Training  
Junior Science, Engineering and Humanities Symposium  
334 Yon Hall  
PO Box 112010  
Gainesville FL 32611-2010



**47th Annual  
Junior Science,  
Engineering and  
Humanities  
Symposium**

The **Florida Junior Science, Engineering and Humanities Symposium** brings Florida science teachers, high school students and select middle school students to UF for the 47th year. The main components of the Florida JSEHS are visits to research laboratories across campus, a judged speaker competition for 11th- and 12th-grade student researchers, and an opportunity for 9th- and 10th-grade students to give presentations as a practice for future competitions. Additionally, students are invited to bring posters to display throughout the symposium.

**The JSEHS is designed to:**

- Search out talented youth and help recognize their interests and abilities in science;
- Assist students in career explorations by revealing opportunities in the sciences;
- Provide recognition and prestige for students who demonstrate aptitude for scientific studies;
- Offer teachers the opportunity to motivate students and to update knowledge about current research; and
- Demonstrate the vital role of the humanities in the personal development of scientists and engineers.

**2009 Florida JSEHS Winners:**

- Mansfield N. Burlingame**  
Lake Brantley High School, Longwood
- Nadine Peyton Currie**  
Lake Brantley High School, Longwood
- Prachiti H. Dalvi**  
Bartow Senior High School, Lakeland
- Sabrina Lakshmi Prabakaran**  
Home Schooled, Ft. Myers
- Jonathan Wang**  
Oak Hall Private School, Gainesville

**Comments from former  
JSEHS participants:**

It was an enriching experience to have the opportunity to talk to the actual researchers, not just see them on television or read about them in magazines, journals or books.

The ability to nurture our highly motivated students and recognize their talents was a refreshing experience.

The atmosphere was business-like and adult. Science had a distinct air of importance.

The Symposium was wonderful! It's a great learning experience where one has a chance to look into the fields of study they are interested in. It is no wonder that this program has been such a success for four decades.

**Hosts and Sponsors:**

- University of Florida
- Center for Precollegiate Education and Training
- Academy of Applied Science
- US Army Research Office
- Office of Naval Research
- Air Force Office of Scientific Research

# Florida Official JSEHS 11th- and 12th-grade Speaker Competition and Awards Information

One of the highlights of the three-day symposium is the 11th- and 12th-grade speaker competition, which takes place on the last morning of the program. This competition for **11th- and 12th-grade students** who have performed **original** experimental research is attended by all symposium participants.

To nominate a student to speak, a science, math or computer teacher with first-hand knowledge of the student's research and speaking skills submits a letter to the JSEHS Speaker Selection Committee stating why the student should be considered for the speaker competition. CPET then sends the nominating teacher a packet of forms and information for the speaker nominee, including instructions for submitting the research paper, abstract and speaker nominee forms. **The selection committee reviews** the abstracts and research papers, and selects 20 speakers for the 2010 competition. JSEHS program fees are waived for the 11th- and 12th-grade speakers and their nominating teachers.

First, Second and Third Place speaker winners will be awarded a scholarship (\$2,000, \$1,500 and \$1,000 respectively) to the university of his or her choice.

The First and Second Place winners will present their research at the National Junior Science and Humanities Symposium (NJSHS) in May, 2010. Third, Fourth and Fifth Place winners will receive all expense-paid trips to attend the NJSHS.

Speakers at the national level compete for an additional **\$16,000 in prize money** and a trip to the London Youth Science Forum in the summer of 2010.

## Speaker Nomination Process

1. Teacher sends nomination letter to the CPET office by **October 23, 2009**. CPET sends speaker nominee materials to the teacher upon receipt of the letter.
2. Teacher works with student nominee to ensure required forms and materials are complete and returns them to CPET by **November 20, 2009**.
3. Speaker nominee abstracts and research papers are reviewed by a University of Florida selection committee. Students who are selected to speak and their nominating teacher are notified on **December 16, 2009**.

## 9th- and 10th-Grade Presentations

This non-competitive component of the JSEHS is designed to prepare younger students for state and national levels of competition. Students may present their findings on any science topic for which they have done in-depth library or laboratory research.

A math, science or computer teacher who has knowledge of a student's presentation skills sends a formal letter to the **JSEHS 9th- and 10th-Grade Presentations Committee** stating why the student should be considered as a presenter. Upon receipt of the nomination, the CPET office mails the nominating teacher a packet of forms and information for the speaker nominee.

The teacher nomination letters must be received by **October 23, 2009**. Selected students are notified on or before **December 16, 2009**.

## Poster Presentation:

A form will be included in the registration materials to be used by teachers who plan to bring students with posters to display. This form must be received by CPET by January 9th in order to reserve a place for the students' posters.

## Adult/Student Registration Process

1. Teacher/chaperone fully completes the JSEHS pre-registration form.
2. **Mail, phone, or e-mail** pre-registration information to CPET by **December 2, 2009**.
3. CPET mails a registration packet to the teacher/chaperone that is indicated on the pre-registration form.
4. Teacher/chaperone sends completed registration materials accompanied by payment in full to the CPET office on or before **5:00 p.m. Friday, January 8, 2010**.

**Students must be accompanied by an adult chaperone.** One adult may bring and chaperone up to ten students, or the number allowed by the school.

Fees are \$210 for adults and \$185 for students and include two nights lodging, five meals, all registration materials, and insurance. Insurance coverage is supplied to students for illness and accidents and to teachers for accidents only. Limited scholarships are available.

Make checks payable to the **University of Florida**. **Full payment is due on Friday, January 8, 2010.**

## Due Dates

Speaker / Presenter Nomination Letters	..10/23
Speaker / Presenter Materials	.....11/20
Pre-registrations	.....12/2
11-12th Grade Speakers Notified	.....12/16
9-10th Grade Presenters Notified	.....12/16
Registration Forms and Fees	.....1/8
Poster Registration Form	.....1/8

**Detailed program information, registration forms and a list of last year's winners may be found at [www.cpet.ufl.edu/jsehs](http://www.cpet.ufl.edu/jsehs)**

## JSEHS Pre-registration Form

**Pre-registration deadline: December 2, 2009**  
Complete the form and mail, fax, phone, or e-mail the information to the CPET office.

### School Information

Name \_\_\_\_\_

Address \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### Teacher/Chaperone Information

Name \_\_\_\_\_

Address \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Home Phone ( \_\_\_\_\_ ) \_\_\_\_\_

Fax ( \_\_\_\_\_ ) \_\_\_\_\_

E-mail Address \_\_\_\_\_

Reserve space in the 47th JSEHS for the following number of participants:

	Male	Female	Total
Adults	_____	_____	_____
Students	_____	_____	_____

### UF Center for Precollegiate Education and Training

**UF CPET**  
**Junior Science, Engineering and**  
**Humanities Symposium**  
334 Yon Hall, PO Box 112010  
Gainesville, FL 32611-2010  
Phone: (352) 392-2310  
Fax: (352) 392-2344  
E-Mail: [jsehs@cpet.ufl.edu](mailto:jsehs@cpet.ufl.edu)