



57th National Junior Science and Humanities Symposium
April 24-27, 2019
Albuquerque, New Mexico

Wednesday, April 24

11:00 am – 7:00 pm Information Center

Sales Conference Room

This room will be staffed all week as a place to register guests and to get answers to questions.

11:00 am – 6:00 pm –Participant arrival and program registration

Atrium

3:00 pm – 5:00 pm - Poster Set-Up*

Kokopelli Room

**Poster presenters who arrive after 5pm, will be allowed to set up their poster before dinner if time allows or following the student and chaperone orientations. If necessary, time on Thursday morning will be allowed.*

4:00 pm – 5:00 pm – Regional Director/Tri-Service/NSTA meet and greet **Gallery Room**

A chance for Regional Directors to meet NSTA staff/Tri-Service in an informal setting prior to the beginning of the week

6:00 pm –Dinner

Cancun/Yucatan

6:30 pm-7:00pm **Color Guard Prep**

Santa Rosa

7:00 pm – **Welcome & Opening Ceremony**

Cancun/Yucatan

Presentation of Colors: Kirtland Honor Guard

National Anthem:

Invocation: Chaplain Steve Jenson

DoD Tri-Service Opening Remarks:

Orientation and Administrative Announcements

Orientation for Student Presenters – Oral and Poster

JSHS RDAC

Orientation for Chaperones

Oral Presenter Student Testing - ongoing

Rio Grande Room

All student presenters must test their presentation using the media planned for day of presentation.

Students must provide flash drive to upload to a laptop provided. Students will sign-up for testing. Testing

to occur in Rio Grande Room at designated times beginning 12:00 pm Wednesday, April 24- 10:45am-11:30

Thursday, April 25

7:00 – 8:00 am – Breakfast

Cancun/Yucatan

7:00 – 7:50 am – Poster Session Judge Breakfast and Orientation

Gallery Room

8:00 – 9:15 am – Poster Session Judges review posters

Kokopelli Room



8:30 am –DoD Research Program Panel

Cancun/Yucatan Room

Panel of graduate level researchers in DoD sponsored programs to address undergraduate and graduate level opportunities for JSHS Alumni.

Presiding:

Panel: Each service will identify 1 presenter; NSTA working with Metriks will identify a JSHS alum. Panel will feature research presentations by alumni of DoD STEM outreach programs, fellowships, and other programs that support the training and capabilities of U.S. citizens capable of contributing to critical disciplines of interest to the nation and to DoD:

A maximum of four (4) panelists to present 10-minute presentations with 2-minute Q&A.

- Introduction (Name, Title, School/Organization, DoD STEM Program)
- Describe background and brief review of current research
- Significance of most recent research and how it benefits the DoD and/or Global prosperity
- Recommendations and advice for JSHS finalists

9:30 am- 10:30 am – Education & Career Round Table Discussions Cancun/Yucatan Room

A total 230 students break into discussion groups of 10, rotating through two rounds of 20-minutes each, with a 2-minute turn for a total 45-minutes for the session. Discussion topics will be published ahead of time; students will sign up for 2 topics via event app.

Presenters are encouraged to speak with the students about potential opportunities in his/her specific research field, and/or to answer questions from students in preparation for the field.

Seated rounds would require 23 speakers total. STEM personnel could present a small model/visual at the table.

9:30 am – 12:00 pm Teacher Professional Development Workshop Taos Room

Professional Development workshop to be led by Cary James, Teacher, Bangor, ME

Workshop focused on teaching research and empowering current JSHS teacher participants to engage colleagues in their region.

10:30 am – Break

10:45 am – 12:15 pm – Student Poster Session and Judging

Kokopelli Room

Presenters report to posters for judging at 10:45 am.

11:30 am-1:30 pm – Lunch & Staggered Bus Departures for Lab Tours

Recommend box lunch due to short time between poster competition and lab tour departures.

11:30am – 12:15pm - Lunch for oral presenters, chaperones, regional directors

12:15 – 1:00pm Lunch for poster presenters, teachers

12:30pm – 2:30 pm – Cvent Training Session for Regional Directors Gallery Room

Presented by Cvent staff (virtually) and appropriate NJSHS and NSTA staff to host session.

12:45 pm – 1:15 pm Lab Tour, exact times TBD

Offsite



2:00 pm – 4:30 pm - **Laboratory Tours**
(Academia, Industry, Government) – Total 300 participants

Offsite

- o Lab tour sites TBD, request 6-8 tour sites

3:00 – 5:00 pm – **JSHS Regional Directors Annual Meeting**

Gallery Room

4:30 - 6:00 pm – Buses return to the Marriott Albuquerque Pyramid North from Lab Tour sites.

6:30 pm – **Dinner and General Session I**

Cancun/Yucatan

Presiding: (Air Force)

Keynote Address: (Air Force) Dr. Robert Clemens

8:00 – 9:30 pm- **Poster Peer Review & Ice Cream/Fun Networking Social** **Kokopelli Room**
Recommend ice cream social for Poster Peer Review. (or Nachos. Or sweet salty snacks)

Friday, April 26

7:00 - 8:00 am - Breakfast

Cancun/Yucatan

7:00 – 7:50 am – Oral Session Judge & Moderator
Breakfast and Orientation

Gallery Room

8:00 am – 8:45 am – **General Session II**
Intellectual Property and Ethics speakers

Cancun/Yucatan Room

Presiding: Air Force and Navy

Address: Matt O'Brien and Dr. Larry Strawser

8:45am – 4:15 pm- **Speaker Prep Room**

Rio Grande Room

9:20 am – 11:20 am - **Student Research Sessions and Judging**

Please refer to your registration package for the final schedule. Below topics are subject to change as a result of selected papers from regional symposia competition. Rooms: Coronado, Cozumel, Tampico, Santa Fe, Las Cruces, Taos, Mirabella, Santa Rosa

Session 1- Environmental Science

Session 2- Life Sciences

Session 3- Biomedical Sciences/Cell/Molecular Biology

Session 4- Medicine and Health/Behavioral Sciences

Session 5- Engineering

Session 6- Mathematics and Computer Science

Session 7- Physical Sciences

Session 8- Chemistry, materials science



11:40 am- **Lunch and General Session III**

Cancun/Yucatan Room

Presiding: (Army) Mr. Holthe

Keynote Address: (Army) Dr. William Swartout

1:20 pm – 5:00 pm *Rooms: Coronado, Cozumel, Tampico, Santa Fe, Las Cruces, Taos, Mirabella, Santa Rosa*

- Session 1- Environmental Science
- Session 2- Life Sciences
- Session 3- Biomedical Sciences/Cell/Molecular Biology
- Session 4- Medicine and Health/Behavioral Sciences
- Session 5- Engineering
- Session 6- Mathematics and Computer Science
- Session 7- Physics
- Session 8- Chemistry, materials science

3:00 snacks

3:00 pm – 3:45 pm – JSHS Focus Group Session 1 (Student Poster Presenters)

Focus Groups conducted by Purdue Assessment Team

Aztec Room

4:15pm – 5:00 pm – JSHS Focus Group Session 2 (Teachers)

Focus Groups conducted by Purdue Assessment Team

Aztec Room

JSHS Focus Group Session 3 (Student Oral Presenters)

Focus Groups conducted by Purdue Assessment Team

Rio Grande Room

6:00 pm – **Dinner**

Cancun/Yucatan

7:00 pm – **General Session IV**

Cancun/Yucatan

Presiding: (Navy)

Keynote Address: (Navy) Dr. Elizabeth Newton

Saturday, April 27

8:00 am – Breakfast

Cancun/Yucatan

9:00 am - 10:30 am- **Reverse Science Fair & Researcher Meet and Greet** **Kokopelli Room**

Recommend networking activity for participants. University researchers and DoD representatives present work and discuss in reverse science fair style format allowing for participants to engage more directly.

10:30 am –Break

Free until Awards Ceremony

10:30 am- 12:00pm – *Color Guard prep room*

Santa Rosa Room

11:00 am – 12:00 pm - Awards Ceremony Rehearsal

Cancun/Yucatan



Rehearsal to be attended by NJSHS Committee members and staff as well as appropriate ceremony participants.

12:00 pm – 2:00 pm – **57th National JSHS Awards Ceremony**

Pyramid Ballroom

Lunch - *plated lunch served*

Master of Ceremonies: Marcellus Sheppard

Presentation of Colors: Kirtland Honor Guard

National Anthem:

Invocation: Chaplain Steve Jenson

Congratulatory Remarks delivered by flagship or general officers representing each of the three services, or 2-star equivalent civilian

Army:

Navy:

Air Force:

Awards Presentation

3:00 pm – 6:00 pm – **Cultural Excursions**

Offsite

Cultural Excursions will be optional. Students must travel with their regional delegation and designated Regional Chaperone, or another appointed and approved chaperone. Students and chaperones will sign out on departure and sign in upon return to the Marriott Albuquerque Pyramid North with NJSHS staff. NSTA proposes to provide transportation and structure to excursions.

7:00 pm – **Dinner and Social Activity TBD**

The Pavilion

Recommend barbecue style dinner followed by fun social activity to allow participants to celebrate achievements and continue to network before departure.

Sunday, April 28

5:00 am – 12:00 pm – Participant departure- exact times TBD

NOTES:

Operations Center for all staff Monday-Sunday

Sandia Room