

**JERSEY SHORE JUNIOR SCIENCE SYMPOSIUM
OCEAN COUNTY COLLEGE**

**INFORMATION FOR PREPARATION AND
PRESENTATION OF STUDENT RESEARCH PAPERS**

JERSEY SHORE JUNIOR SCIENCE SYMPOSIUM

March 22nd. & 23rd., 2018

IMPORTANT: Registration and uploading all documents are to be uploaded by 11:59pm on the deadline to the JSJSS website: <http://www.cvent.com/d/95qy91>

- **SUBMISSION OF RESEARCH ABSTRACTS Dec. 5, 2017**

- **SUBMISSION OF FINAL RESEARCH PAPER Jan. 5, 2018**

Please include:

1. RESEARCH PAPER
2. OUTSIDE ASSISTANCE FORM
3. STUDENT ENTRY FORM

Outside assistant forms and student entry forms must be submitted at the same time as the research paper. Online copies of these forms are available at: www.go.ocean.edu/sjss
Limit the size of your paper to one megabyte or less. Larger papers may be rejected.

A. SUBMISSION OF RESEARCH PAPERS

- Papers should report on the results of original research carried out by the student.
- Care should be given to the preparation of illustrations accompanying the research papers. Graphic software for preparing illustrations may be used.
- **Abstracts should be uploaded to <http://www.cvent.com/d/95qy91>. (Dec. 5, 2017).**
Abstracts should be sent as attachments in a - **word document format**
- **Papers, outside assistance forms and student entry forms MUST be uploaded in time to be received at the JSJSS office by Jan. 5, 2018. **Late papers will be disqualified.****

**Questions, requests for forms, etc. may be directed to:
Ocean County College, JSJSS (732) 255-0400 x 2540
sjiss@ocean.edu**

B. PREPARATION OF ABSTRACTS OF STUDENT RESEARCH PAPERS

- Students submitting papers must also submit a 200-word abstract in electronic format (word doc) to sjiss@ocean.edu. The format for the 200-word abstract includes: 1 inch margins, keyed in 12 point font. Abstracts must be adequate in length but not exceed 200 words. The header preceding the abstract body must include:
 1. Title of the research
 2. Authors name and email address
 3. Name of high school
 4. Name of teacher/mentor/sponsor. Precede the individual's name with a subheading (i.e. teacher, mentor, sponsor)
 5. Include teacher's email address
- **Include at the bottom of your abstract the following information about your research:**
Primary discipline _____
Sub-Discipline _____
- Please carefully proofread your submission, since abstracts will not be edited.
- The abstract should accurately convey the essential nature of the research conducted and the most significant conclusions reached. A further purpose of the abstract is to attract the interest and curiosity of the non-specialist reader and thus encourage exchange, discussion, and elaboration between various authors and between authors and readers.

C. PREPARATION OF STUDENT RESEARCH PAPERS

All papers must be prepared according to the following:

1. Prepared to print on a laser printer, double-spaced, one side only, on 8 1/2 X 11 paper with one-inch margins. Two disks (CD or flash drives) should be submitted, in case one fails to open. The **disks, CDs, or flash drives** should be clearly labeled with your name, title of the paper, your email and the name of your school.
2. The title should be a concise identification of the main topic of the paper/abstract. Do not write the title as a question, do not use abbreviations. Examples: Poor title - *Bugs and Drugs*: Fair title - *Effects of Antibiotics on Bacteria*: Good title - *Effects of Penicillin on Gram Negative Bacteria*: Excellent title- *Lysis of Gram Negative Bacteria by Penicillin*. A two or three word title may be too short, but a 14 or 15 word title is excessive. Examine the title and make sure it accurately reflects the content of the paper without being too long.

3. **Please submit research paper without any personal identification.** Do not include your name, school, acknowledgements, personal photos, etc. This information **should be included** on a separate page independent of the paper and of the title page.
4. The research paper should be a minimum of 5-6 double-spaced pages and limited to a maximum of 20 pages. A suggested outline for the research paper includes: A cover page stating the student's name, school address, and title (maximum of 40 characters) of the research; acknowledgement of major assistance received, table of contents; introduction; materials; methods and procedures used; results (data or findings); discussion and conclusions.
5. Cite all references, sources of information and include a bibliography. Use the standard scientific citation format.
6. Include no more than 10 illustrations.
7. School may assist a student in preparation of the manuscript.

D. PAPER CONTENT - Paper should include the following:

1. **Introduction** - gives a clear and concise statement of the purpose or objective.
2. **Procedure** shall be described in sufficient detail to permit a reviewer or listener to understand how the results or data were obtained. Describe any materials or equipment used.
3. **Results** shall be discussed in sufficient detail to justify conclusions obtained.
4. **Conclusions** shall be stated clearly and concisely, and are to be based upon material presented in the research paper.
5. **Plans** for continued research may also be included.
6. **Acknowledgements** (if any), included on a separate page.
7. **List of cited references, and bibliography.**
8. **If applicable, statement that research involving non-human vertebrates or human subjects was conducted under the supervision of an experienced teacher or research and followed state and federal regulatory guidance applicable to the humane and ethical conduct of research. IRB approvals should be attached where applicable.**

E. PREPARATION OF ILLUSTRATIONS

1. Artwork and illustrations must be of high quality; neat, bold and legible (the papers selected for presentation at the Symposium will be published in the official Symposium Transactions.)
2. Glossy prints may be submitted. If photos are included within the paper make sure **YOU are not in those photos.** Downsize your images before inserting them into your research paper to control storage size of your document. Each illustration will be clearly referenced in the research paper (e.g., Fig. 1, Fig. 2, etc.) and should be properly captioned. Limit the size of your paper to one megabyte or less.

F. SELECTION OF PAPERS FOR PRESENTATION

1. A prerequisite for selection is strict adherence to the appropriate deadlines and instructions. Research papers may be submitted to only one JSHS Regional.

2. After reviewing all papers, the Selection Committee of the Jersey Shore Junior Science Symposium will select ten papers for presentation at the Regional Symposium.
3. The students whose papers have been selected for presentation (Ocean County College) or poster presentation at the JSJSS Banquet (hotel to be determined) will be notified January 2018. **Papers not selected for the above will be invited to participate in the JSJSS General Poster Session (Health and Human Performance Center [GYM], Ocean County College) March 22, 2018 (General Poster Session participation will be limited to no more than four posters per each participating school).**

G. PREPARATION FOR STUDENT PRESENTATIONS

Student presenters will be notified by the Symposium Committee relative to the following:

1. Suggested modifications to their text, illustrations, etc., and the date to return completed paper.
2. Notification and instructions relative to the **rehearsal for student presenters**, which will be scheduled on **Friday, February 23, 2018** in the Grunin Theater).
3. Instructions relative to their presentation; i.e., **presentations are limited to fifteen (15) minutes and are followed by a ten (10) minute question and answer period.**
4. Information relative to required publicity materials; i.e., black and white glossy photographs (head shot) and biographical data.
5. **PowerPoint Presentations are to be designed for presentation without requiring the use of the "Presenter View" feature. Those needing notes should prepare them on paper. Presentation timing will be provided by a moderator. Presentations must be able to successfully open in Microsoft PowerPoint 2013 with all fonts and associated files provided. No other formats can be accepted by the JSJSS. Those creating presentations in other applications (i.e. Keynote) must save the file to PowerPoint format. Older versions of PowerPoint will be backwards compatible for display.**
6. Students must use the computers available at Ocean County College during the symposium. Student presenters may not modify slides after final submission of slides to the JSJSS office (approximately two weeks prior to the MJSS). More information on how to prepare slides will be available during the **student presenter's orientation: Friday, Feb. 9, 2018 in the Gateway Building (rooms to be announced), at Ocean County College.**
7. Research apparatus may be used if it is integral to the presentation and only if the apparatus is hand-held.

H. SELECTION OF STUDENTS FOR PRESENTATION AND ATTENDANCE AT THE NATIONAL JUNIOR SCIENCE SYMPOSIUM

1. Attendance: At the conclusion of the Jersey Shore Junior Science Symposium, the teachers (who have attended all the student papers) and six members of the JSJSS Executive Committee will select five (5) students who will be invited to attend the four-day National Junior Science Symposium.
2. If an invitee cannot attend the National Symposium, an invitation may be extended to the next runner-up. One of the five students will be selected to present his/her paper at

the National Symposium. Students representing the other 48 regional symposia will be in attendance.

3. In the event of multiple authorship only the principal author will be invited to the National Symposium, this is to be determined among the authors PRIOR to invitations being extended.

I. USE OF VIDEO AND AUDIO IN PRESENTATION

1. "Video Clips integrated into PowerPoint must be created using standard PC compression codes and should be tested on a non-research machine prior to submission to ensure playback functionality."
2. Videos (and audio, if any) may be used for those aspects of research design that cannot adequately be presented by slides. Video material presented must be an integral part of the research and should not be a substitute for presentation of data. Videos must not be used for presentation of common procedures, illustrations, equipment or showing laboratory facilities. A video component cannot make up more **than two (2) minutes** of the presentation.
3. **No audio or background music** will be permitted other than sounds that are an integral part of the research. Recorded or mechanically produced narration will not be permitted.
4. Students should be aware that improper use of videos would detract from their presentation and evaluation.
5. If videos are to be a part of the presentation, the JSJSS Regional Office must be notified three weeks in advance of the National meeting to allow for availability of equipment.

JERSEY SHORE JUNIOR SCIENCE SYMPOSIUM STATEMENT ON OUTSIDE ASSISTANCE

Student finalists submitting their research **must complete this form and submit with their research paper.**

Title of your paper _____

1. What steps lead you to formulate your hypothesis? (Where did you get the idea for your project?) Please be specific:

2. Where did you conduct the major part of your work? (Home, school or institutional setting university lab, medical center, etc.?)

3. If you worked in an institutional setting, did you work on your project as part of a team or group? If so, how large was the team, who was on the team (students, adult researchers, etc.)? Describe your role on the team.

4. What parts of the project did you do on your own and what parts did you receive help with (literature search, hypothesis, experimental design, use of special equipment, gathering data, evaluation of data, statistical analysis, arriving at conclusions, and preparation of paper?)

5. If this research is a continuation of an investigation that was previously submitted to a Regional JSHS, describe how you have expanded your investigation.