

YHS Science Research Program

Welcome back Seniors.

Senior year is all about presenting your research in public forums and competitions and hopefully getting “published”

Class Rules for 3rd year research students:

- A. You must be in class, on time, each day of the week, to check in, review deadlines, prepare for upcoming competitions and public presentations.
- B. Every Senior research student must be working on their research paper/project diligently until all competition deadlines are met. This is the largest part of your grade during qtr. 1
- C. Only science research related work is to be done during your science research period. Therefore, if you have other work to do, you have to be sure to spend at least one full period on science research work if you want to receive full credit/a top grade.
- D. The deadlines for competitions are essential to keep track of. This includes online forms, essay questions, recommendations from teachers and mentors, transcripts from guidance, etc.. **BE SURE TO GIVE THESE PEOPLE ENOUGH TIME.**
- E. We will set up a regularly scheduled time, (once every week – for the 1st quarter), when you will meet with me individually for ½ a period to review your paper and/or presentation, discuss topics within your area that you need to learn more about and set new goals. At this meeting your progress will be graded. These weekly meeting grades will make up for 80% of your quarter grade. The meetings will occur only 3X quarter for the rest of the year.
- F. At the first meeting you will be required to show your lab notebook, (or equivalent), displaying all of work that you did this summer. This time will also be used to review/finalize your research paper
- G. You will further analyze related research journal articles as to how an effective research paper is written as well as reviewing your current paper to make sure that you have used the “funnel effect” for presenting the research you are working on.
- H. You will be maintaining contact with your mentor, (REGULARLY), to ask for help with the writing of your paper and/or for suggestions as to where your knowledge on your research could be challenged.
- I. You will use the advanced parts of Microsoft PowerPoint to build a “professional” level presentation for presenting in competitions.
- J. You will contact local organizations and professionals and set up opportunities for you to practice your presentation to them.
- K. You will practice presenting your research so much that you will become THE “LOCAL EXPERT” in your area. This will be accomplished by continuing to read articles and take notes, write summarizing paragraphs, listing and defining vocabulary that you don’t understand. You will also find individuals and groups that are willing to let you present your research to them.
- L. You will be judging and analyzing presentations by the other members of the class
- M. You will be actively searching for organizations that will allow you to publish your research paper.
- N. You will compete in the research paper based, Siemens-Westinghouse and Intel Science Talent Search competitions, the MS PowerPoint based Junior Science and Humanities Symposium and the Poster Board based Westchester Science and Engineering Fair. You may also enter the Manhattanville Competition, the Tri-County /Science Congress competition and the ISWEEP competitions (for Energy, Engineering and Enviro. Projects).
- O. You will help in the planning of as well as to present your research at our end of year Science Research Symposium
- P. If you signed up (in September for college credit) then you will receive a grade in June for the Advanced Methods of Research (CAS210) through the University at Albany.

“MOST IMPORTANT GOALS TO REMEMBER FOR SENIOR YEAR”

*** As a senior, your grade is based almost entirely on meeting all deadlines for competitions. This includes all submission dates for review of your research paper, Power point, Poster.

*** 1st quarter also includes the summer work and the mandatory, weekly updates and paper submissions. The following were included in the Summer Goals sheet you received in June.

Research Paper

- 4 updated paper submissions due throughout July, Aug, Sept.
- 1st submission must be during July
- 1st submission must have full version of ; Introduction, Hypo, Works cited, Methods
- At least 1 week between each submission **This may be difficult if you did not submit the paper in the summer
- 2nd submission must also include; More Results & initial Analysis & Conclusions
- Mentor must read it after the 2nd version is checked by “Blue”
- No more than 2 submissions in September (all above rules still apply in Sept.)
- Final version must be submitted for review before Sept 21

September 29 Thursday – Paper submission date for the Siemens Science Competition (Individual Seniors only or teams. No behavioral projects accepted)

http://media.collegeboard.com/digitalServices/pdf/siemens/siemens_instructions.pdf

Nov. 14 Monday – Paper submission date for the Intel Science Talent Search (Seniors only, Individual projects only) <http://www.societyforscience.org/sts>

Mid November - Paper submission date for the local Junior Science & Humanities Symposium (Seniors may do Power Point or Poster, Juniors will do poster only. Only Power Point winners move on to state level) <http://www.albany.edu/jshs/wesrocjshs.html>

Mid January - - Paper submission date for the local Westchester Science & Engineering Fair (All students with research results and a final paper may enter. www.wesef.org)

Early February on a Saturday - JSHS competition at John Jay High School

8am - 3pm – John Jay High School, Cross River NY. Parents welcome for the awards ceremony in the afternoon.

March 1 Thursday - Practice night for all WESEF participants 7pm in the YHS cafeteria
Parents/Alumni/Community members/Teachers wanted as practice judges

March 10 Saturday - Westchester Science & Engineering Fair WESEF (www.wesef.org)

Sleepy Hollow High School, Route 9 Tarrytown NY.

9am – 4:30 pm AND 7pm-9pm for all students that are presenting their research

Public session 3pm-4:30 pm Free time for dinner 5pm - 7pm Awards ceremony 7pm-9pm NOTE:

This potential conflict will likely never apply to a research senior but just in case.... This is one of many SAT test days. Students are not able to participate in both and therefore must sign up for a different SAT test day

May 31 Thursday – Yorktown HS Science Research Symposium

7pm in the YHS auditorium/cafeteria. All current students must attend and will present their research via PowerPoint or Poster.

June 7 Saturday - White Plains Invitational Comp. for Sophomores

1pm-5pm - White Plains High School Cafeteria. Required for Sophomores and Seniors

All current sophomores must present their research via poster. All current Seniors must be a judge

----- Please fill out and return this sheet only to -----
Mr. Blueglass or Mr. Salmore

Please initial all four items indicating you have read and understand the attached information sections. Please also sign and date below.

Parent Student
Initials Initials

_____ _____ I have read, have a full understanding of the
“Class Rules for 3rd year research students”

_____ _____ I have read, have a full understanding of the
**“MOST IMPORTANT GOALS TO REMEMBER
FOR SENIOR YEAR”**

Student name (please print) _____

Student Signature _____ date _____

Parent name (please print) _____

Parent Signature _____ date _____