RESEARCH EXPERIENCE FOR HIGH SCHOOL STUDENTS
(CURRENT 11TH GRADERS)

STEP 1: APPLICATION FOR ADMISSION

Student Information

<table>
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<tr>
<th>Legal Last Name</th>
<th>Legal First &amp; Middle Names</th>
<th>Preferred Name</th>
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<td></td>
<td>(as written on birth certificate)</td>
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Email Address

Residence Address

City, State

Zip Code

Mailing Address (if different from residence, i.e. P.O. Box)

City, State

Zip Code

____ Female

____ Male

Date of Birth

Current Age

Gender

Current School

Grade

Is either parent a Vanderbilt Employee? Indicate name(s).

Optional: Has a Vanderbilt scientist agreed to host you? Please indicate their name and email so our staff can verify this information.

Indicate below your areas of interest by ranking your top 4 choices (indicate 1-4 on the provided lines). Please note that we are limited by lab participation and some REHSS students may be placed in labs outside their field of interest.

- Biomedical Sciences  - Math & Computational Science
- Chemistry  - Microbiology
- Earth Science/Geology  - Molecular Biology
- Ecology  - Physics
- Engineering  - Sociology

Psychological Sciences

I would prefer not to work in a lab conducting animal research

Parent/Guardian Information

PRIMARY CONTACT

<table>
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<tr>
<th>First Name</th>
<th>Last Name</th>
<th>Email Address</th>
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</table>

Mailing Address (if different from applicant's)

City, State

Zip Code

Home Phone

Cell Phone

Work Phone

Relationship to applicant

Secondary Contact Name and phone number

REHSS Application 01/2016
The **Research Experience for High School Students at Vanderbilt** is a program designed for highly capable and motivated students currently in the 11th grade. The program will require students to be dedicated learners, open to new ideas, diligent in their work habits, intellectually honest, and willing to work collaboratively and respectfully with fellow students and university scientists.

If accepted to the Research Experience for High School Students, I agree to the following enrollment conditions:

- I will follow the academic and social guidelines established in the Research Experience for High School Students and comport myself in accordance with the spirit and regulations of the Vanderbilt community.
- I will attend the **full** 6-week program from May 31 to July 8, 2016. (The 4th of July is considered a holiday and is not a mandatory REHSS workday.)
- I will be prompt and present for each aspect of the program including weekly breakout sessions, missing only for medical or emergency reasons.
- I will report daily to my laboratory for 8 hours per day and a minimum of 40 hours per week, **missing only for medical or emergency reasons. I understand that missing for other reasons may result in dismissal from the REHSS program.**
- I understand that there is the potential to extend my internship, free of charge, for up to 3 weeks (through July 29th). However, I understand that this is conditional upon the student, principal investigator, and lab group all agreeing that the extension is necessary for the research project and will contribute positively to the lab.
- The undersigned agrees that the information furnished on this application form is accurate and forthcoming. Further, all information and materials of any kind received by the admissions committee from any source, or prepared by anyone at its request, shall be completely confidential and shall not be disclosed to anyone, including the candidate and family, except at the discretion of the Center for Science Outreach staff.

I understand the above conditions for participation in the program and give permission for my son/daughter to participate in the Vanderbilt University Center for Science Outreach Research Experience for High School Students.
STEP 3: APPLICATION SHORT ANSWER QUESTIONS

Student’s Name: ____________________

1. List up to ten awards (most relevant and/or important) you have received from freshman year to present:

2. List up to ten extracurricular activities (most relevant and/or important) that you have participated in from freshman year to present:

3. If you have had any previous science-oriented experiences, please provide us with a general description and timeframe of experience:

4. What are three words or phrases you would use to describe yourself?
**STEP 4: ESSAY QUESTION**

We are excited that you are applying to the Research Experience for High School Students and would like to get to know you better. Answer one of the following questions in an essay of at least 500 words. Essays must be typed and double-spaced. This essay is given strong consideration in your application, so please be thoughtful in your response. Give consideration to grammar and spelling.

1. **Utilitarianism** requires us to think about the greatest good for the greatest number (maximizing benefits), and the least harm for the least number (minimizing harm), which is one of the principles of bioethics. How does this ethical theory apply to scientific research?

2. **"Negative results are just what I want. They’re just as valuable to me as positive results. I can never find the thing that does the job best until I find the ones that don’t."** - Thomas A. Edison 
   Explain why you think this quote is relevant to science.

**STEP 5: TRANSCRIPT**

You must submit an official school transcript with the following information:

- a. Name, social security number, and date of birth
- b. Coursework grades and courses currently attending
- c. PSAT and/or ACT and/or SAT scores

If your school transcript does not include all of this information, ask your guidance counselor to sign a copy of the necessary information and attach it to your transcript.

**STEP 6: RECOMMENDATION LETTERS**

Submit two recommendation letters:

- a. A current or previous high school science teacher on school letterhead;
- b. Someone other than a relative or teacher who knows you and can support your qualifications for this program. Letterhead is not necessary for this letter, but contact information for the author must be included in the letter.

Letters must be sealed and mailed by the author or, if mailed by the applicant, sealed with the recommender’s signature across the seal. **Emails cannot be substituted for mailed letters.**

We suggest that you provide the author with a stamped envelope addressed to:

Vanderbilt Center for Science Outreach  
Attn: Dr. Marci Howdyshell  
Research Experience for High School Students  
PMB 0367  
230 Appleton Place  
Nashville, TN 37203-5721
STEP 7: OPTIONAL INFORMATION

This information will be separated from your application during the review process. It will be used to compile demographical information and for planning purposes should you be accepted to the program.

Race/Ethnicity

______ Hispanic or Latino
______ American Indian or Alaska Native
______ Asian
______ Native Hawaiian or Pacific Islander
______ Black or African American
______ White
______ Other (please indicate): ________________
APPLICATION CHECKLIST

Submitted by Applicant

1. Application for Admission
2. Application & Admissions Agreement
3. Application Short Answer Questions
4. Application Essay
5. Transcript (including test scores)
6. a. Teacher Recommendation Letter
   Name _____________________________
   Phone Number _____________________
6. b. Other Recommendation Letter
   Name _____________________________
   Phone Number _____________________
7. Optional Information (race/ethnicity)

Requested of Others

Your application is not complete until ALL of the listed materials have been received in the Center for Science Outreach office.

Interviews may be conducted at the discretion of the Research Experience for High School Students admissions staff. Please indicate a telephone number on the line below where you can be reached to arrange an interview.

Preferred Phone Number: _____________________________

ALL materials must be postmarked by Wednesday, February 24, 2016.

PLEASE PLAN AHEAD: due to the number of applications, absolutely no exceptions can be made for this deadline, including the recommendation letters. Applications without all parts completed and turned in on time will not be considered. Applications submitted by email or fax will not be accepted.

Mailing Address: Vanderbilt Center for Science Outreach
Attn: Dr. Marci Howdyshell
Research Experience for High School Students
PMB 0367
230 Appleton Place
Nashville, TN 37203-5721

Phone: (615) 322-7140