



Physical Science, Engineering, and Robotics Volunteer Program



**Roper Mountain
Science Center**

A 402 Roper Mountain Road
Greenville, SC 29615

P 864.355.8900 **F** 864.355.8948

RoperMountain.org



Through the Physical Science, Engineering, and Robotics Volunteer Program, youth aged 14 to 18 will have the opportunity to engage in activities related to Physics, Chemistry, Engineering, and Robotics at Roper Mountain Science Center.

Hours worked would qualify as volunteer hours for CAS, Honors Society, and other activities requiring volunteer hours.

Thank you for your interest in the Physical Science, Engineering, and Robotics Volunteer Program at Roper Mountain Science Center. This exciting volunteer program will allow you the opportunity to work closely with the Curators as well as assist with the visiting public on Second Saturdays.

You will:

- Monitor and explain physical science and/or robotics activities to the public during Second Saturdays.
- Assist with the preparation and maintenance of the labs, including replenishing basic chemicals, testing equipment, building/sorting robots and materials, and cleaning/restoring labs after events.
- Learn safety procedures and guidelines when working in a science lab.

Requirements for new volunteers

Age: 14-18

Application: Complete an application, including the short essay questions and obtain a teacher reference.

Orientation and Training: You must attend the Orientation on Thursday, September 11th from 4:30 p.m. – 5:30 p.m. in the Symmes Hall of Science, Lab 10. You will be asked to attend 1 more training in the spring.

Commitment: Must volunteer a minimum of 6 Second Saturdays per year.



Physical Science, Engineering, and Robotics Volunteer Job Description



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Objectives

Volunteers will...

- Help visiting children and adults relate to physics, chemistry, and engineering.
- Support the physical science, engineering, and robotics labs by working to maintain equipment and chemicals.
- Support the Physical Science Curator and Engineering & Technology Curator behind the scenes.
- Work with the Curators and Staff to develop and implement activities or exhibits and demonstrate to the public.
- Learn about the changes in chemistry, physics, and engineering to include past, present, and future.
- Assist with setting up activities and leading the activities on public days.

Qualifications

Volunteers must be...

- No younger than 14 years old and no older than 18 years of age.
- Able and willing to do tasks which are repetitive and complex.
- Able and willing to learn the necessary knowledge and skills.
- Able and willing to follow rules and instructions.
- Able and willing to cooperate and communicate with various audiences.

Responsibilities

The Curators expect volunteers to...

- Learn how to explain and demonstrate all Second Saturday Activities.
- Arrive on time and follow all lab rules.
- Help maintain and clean labs as needed.
- Have a pleasant demeanor with Second Saturday visitors.



Physical Science Volunteer Application



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Mail to: Roper Mountain Science Center – Physical Science Curator
402 Roper Mountain Rd., Greenville, SC 29615

Please answer the following four questions on a separate sheet of paper (Please print or type clearly in blue or black ink):

- 1.** Why do you want to volunteer in the Physical Science, Engineering, and Robotics Labs at Roper Mountain Science Center?
- 2.** Why would you be a good volunteer?
- 3.** What would you like to learn while volunteering in the science labs?
- 4.** Please describe your hobbies, special skills, and interests.

Today's date _____ Birth date _____ Age _____

First Name _____ Last Name _____

Phone _____ Email _____

Address: _____ City _____ State _____ Zip _____

Parent/Guardian Name _____

Parent/Guardian Phone _____

Volunteer applicant signature

I have read the Volunteer Program Information, Job Description, and Application. I understand my responsibilities as a volunteer and agree that, if accepted, I will meet those responsibilities.

Signature of Volunteer Applicant _____

Parent/Guardian signature

I have read the Volunteer Program Information, Job Description, and Application. My child has my permission to apply for the Volunteer Program.

Signature of Parent/Guardian _____

Teacher recommendation

I have taught this applicant, am familiar with his/her work, and recommend him/her as a volunteer for the Physical Science, Engineering, and Robotics Volunteer Program at Roper Mountain Science Center.

Signature of Teacher _____

Want more information?

Contact Latongia Pepper, Physical Science Curator, at lpepper@greenville.k12.sc.us or 864.355.8903.