

Percy Julian Institute STEM Field Trips Fall, 2018 Semester

Smithsonian Museum of African Art

Washington, DC

Date: October 23, 2018

Activities: The Museum is preparing a specially customized STEAM (STEM + the Arts) tour. Students will be able to examine objects and learn about the ideas that impacted African art as well as how artistic ideas that originated in Africa impact work elsewhere. They will learn how STEM concepts play an important role in creating and developing these ideas, how STEM enables new art forms, and how STEM is used to preserve and authenticate art. The purpose of the visit is to show how STEM and Art can and should be used to complement and enhance each other as well as to show that not only do STEM and Art co-exist but they also can thrive together.

Howard University Hospital Trauma Center

Washington, DC

Date: October 25, 2018

Activities: The Division of Trauma and Critical Care will provide an opportunity for students to tour trauma center, shadow those with their respective professional interests, ask questions about their work (schooling, pros and cons, etc.), and have a first-hand experience with a mock trauma code. This experience will enable students to focus on events after violence has occurred. This program gives a visual to the students of what it means to be a trauma care provider or patient in the hospital - observing patients at each interval of care from initial contact to discharge and ultimately rehabilitation.

Smithsonian Air & Space Museum, Udvar-Hazy Center

Chantilly, VA

Date: October 30, 2018

Activities:

- a) **Mission to Mars-** Students will explore the climate and geology of Mars, along with the challenges of robotic exploration in space. They will work as mission design teams and use budget and science guidelines from NASA to create a spacecraft to fly to Mars.
- b) **McDonnell Space Hangar Highlights-** Students will explore the Space Shuttle Discovery and other space artifacts to trace our history, science, and technology in space.