

Class Time: 15 minutes

Grade Level: High School- Pre-Freshmen

Assignment Type: Homework

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Find Your Passion... Find Your Future!

Lesson Overview:

The activity below will allow students to discover many different STEM organizations and conferences in the fields of science, technology, engineering and mathematics (STEM).

Materials:

1. Scientific Literacy Course video lecture, PowerPoint and lesson handout for *STEM Organizations and Conferences*

2. Links:

Scientific Literacy Center portal: www.scientificliteracycenter.org

National Society of Black Engineers: www.nsbe.org

Beta Kappa Chi: www.betakappachi.org

American Association of Blacks in Energy: www.aabe.org

National Organization for the Professional Advancement of Black Chemists and Chemical Engineers:

www.nobcche.org

National Technical Association: www.ntaonline.org

Organization of Black Airline Pilots, Inc. (Organization of Black Aerospace Professionals): www.obap.org

3. Computer, Projector, Internet connection

High School Students

National Standards:

E. Science and Technology- Students develop understandings about science and technology.

F. Science as Personal and Social Perspectives- Students learn about populations, resources and environments.

GA Standards:

SCSh1. Students will evaluate the importance of curiosity, honesty, openness, and skepticism in science.

SCSh6. Students will communicate scientific investigations and information clearly.

SCSh8. Students will understand important features of the process of scientific inquiry.

Undergraduate Students

Best Practices for Scientific Literacy

1. Having the ability to participate productively in scientific discourse

2. Possessing a relevant knowledge of career opportunities in STEM

3. Possessing a scientist identity and STEM self-efficacy, as well as other relevant attitudes and behaviors for success in STEM

4. The ability to participate in team learning and discovery.

Lesson Objectives:

1. Students will be exposed to many different types of STEM organizations and conferences.

2. Students will understand the benefits of being involved in STEM professional organizations.