

Scientific Literacy Center

Careers in STEM Activity

Teaching Notes

Class Time: 15 minutes

Grade Level: High School- Pre-Freshmen

Assignment Type: Homework

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STEM Careers Search

Lesson Overview:

The activity below will allow students to be able to use the Scientific Literacy Center website to discover many different STEM careers in the fields of science, technology, engineering and mathematics (STEM).

Materials:

1. Scientific Literacy Course video lecture, PowerPoint and lesson handout for *Careers in STEM*
2. Links:
 - Scientific Literacy Center portal: <http://www.scientificliteracycenter.org/>
 - Morehouse College Cyber Village link: <http://www.morehouse.edu/cybervillage/>
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. Possessing a relevant knowledge of career opportunities in STEM
2. Possessing a scientist identity and STEM self-efficacy, as well as other relevant attitudes and behaviors for success in STEM

Lesson Objectives:

1. Students will be exposed to many different types of STEM careers.
2. Students will be able to discuss characteristics and qualifications for various STEM careers.
3. Students will be able to discuss the importance of STEM courses for successful future employment in a STEM career.