

## Scientific Literacy Center

### Peer Review Journal Activity

Class Time: 15 minutes  
Assignment Type: Homework

Grade Level: High School- Pre-Freshmen  
Created By: Dr. Ruth Odum

## Peer Review Journal

### Lesson Overview:

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

### Materials:

1. Assignment handout
2. Scientific Literacy Center portal: <http://www.scientificliteracycenter.org/>
3. Paper, Pencil, Research materials, i.e. Internet access, library books, or articles

### 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

6. Possessing a relevant knowledge of journal reviews in STEM
7. 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 the structure of peer review journals.
2. Students will be able to discuss characteristics of an important peer review journal.