

Science Lesson 1: Teacher Guide

Grades 9-12

The objective of the lesson is to help students explore science-related occupations and discover how educational levels affect those career choices.

Discussion

Start this lesson by asking students if they've thought about the types of occupations that are available within the field of science. Here are some questions that will help facilitate the discussion:

- What types of jobs do you think of when you think of "science?"
- Are there jobs that might be related to science that you didn't actually realize were a part of the science field? (Nursing/medicine, farming/agriculture, any research-based field such as psychology, etc.)
- If you plan on attending a four-year college, do you think you'll have to take any science classes, even if your major isn't in the field? (*Answer: Yes, students will have to take general education classes in all academic areas, including science.*)
- Do you have any idea what type of salary you can expect from a science-related career?

Online Activity

Log in to Kuder Navigator® (<http://www.indianacareerexplorer.org>) and hand out the student worksheet(s). Your students should all have individual accounts. If they do not, you can obtain their login information from your Kuder Administrative Database Management System® or check with your site administrator (typically your career teachers or school counselors). Even if students only have their user names, they can still reset their passwords.

Although the worksheet is self-explanatory, you may want to walk through the assignment yourself prior to leading students through the activity in case they need assistance.

Post-Online Activity

Split students into discussion groups of four to five students. Have them discuss the results they found online about careers in science and have them compare the salaries of these occupations. Ask each group to share one interesting thing they learned from this activity that might impact their career choices.

Post-Activity Discussion

Ask students if they were surprised by how many types of occupations were categorized as “science-related.” Invite volunteers to share the information they found about science-related occupations from different educational/training categories.