

Lesson Plan

Grade level(s): 7

Topic: Understand the Relationship between Science and Technology – lesson 1 of 4

Objective—Content: I will understand scientists' contributions to science.

I will know how science and technology and are interrelated. 7.S.5.2.1

Language: I will explain how science advances technology. 7.S.5.2.2.

I will write a research report with facts, details, and examples from multiple sources. 7.LA.4.2.2

Big6 Skills: Task Definition; Information Seeking Strategies

Materials required: transparency of list of scientists; copies of assignment guidelines; “Big6” poster; print copies from a print encyclopedia (other than *World Book*) for individuals; “Evaluating Information Sources” poster

Time required: 50 minutes

Description of activities:

- Introduce information problem.
 - Describe what you think is a scientist's most important contribution to science. Explain why it is significant. Explain how this scientist's work advanced technology.
 - +Students rewrite the task in their own words.
 - +Students underline keyword(s).
- Describe parameters of the project.
 - Explain how science and technology are interrelated.
 - Hand out project guidelines.
 - Students select scientist from the list on the transparency.
- Whole class brainstorms a variety of resources for information gathering.
 - Select factually accurate sources from: online databases, print, video, web search, etc.
- Review the use of an encyclopedia in a research project.
 - Use as beginning, general background information to help understand the topic, shape additional questions and provide leads to other sources.
 - Note “Related Information”.
- Whole class prints out copy of scientists biography/contributions from online encyclopedia.
 - Focus: as students read of his contributions, ask why is this so important? Read to discover why the author thinks it's significant.
 - Students read & highlight on print copies.
 - Discuss student findings guiding them to recognize which information is most/least important.
 - Students write questions that they want to know.
- Summarize the objectives and link to what was learned today.

Assessment:

- Instructor(s) circulates to observe students as they highlight.
- During the discussion of student findings, note students' level of understanding.