WHY CASE STUDIES?

Improve science literacy
WHY CASE STUDIES?

Teach the process of science
WHY CASE STUDIES?

Link science and society
WHY CASE STUDIES?

Learn the paradigms of science
WHY CASE STUDIES?

Discover the context of science
WHY CASE STUDIES?

Cooperative learning
WHY CASE STUDIES?

Science
Non-science
Nonsense
THE CASE OF DR. NOITALL:
Room for improvement
THE CASE OF DR. NOITALL:
Next time the professor will:

Define learning objectives
THE CASE OF DR. NOITALL:
Next time the professor will:

Manage the classroom
THE CASE OF DR. NOITALL:
Next time the professor will:

Pre-case assignment
THE CASE OF DR. NOITALL:
Next time the professor will:

Help students identify dilemma(s)
ASSESSMENT/ACCOUNTABILITY
WHAT ARE SOME INSPIRATIONS FOR CASES?
TYPES OF CASE STUDIES

Dilemma or decision
Appraisal or Issue
Case history
CASES & CLASS ACTIVITIES

♩♩ These are a few of my favorite things ♩ ♩
CASE STUDIES

Pros and Cons
Tell a story
Arouse interest
Are contemporary or
Relevant to students
Create empathy for characters
Provoke conflict
Force decisions
Are brief!
FROM CASE
TO CLASS PROJECT

Women in STEM
Science Communication
HIV/AIDS Testing
Malaria and DDT
National Center for Case Study Teaching in Science
http://sciencecases.lib.buffalo.edu/cs/

Start with a Story. Clyde Freeman Herreid, editor, National Science Teachers Association Press. 2013

http://www.tc.umn.edu/~allch001/papers/MN-cases.pdf