

The Human Element

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Science is an activity done by people,
not just a collection of facts.

Do we have time to talk about people
in our classes?

Instructor as Role Model

Share stories about classes you took, research projects you worked on. What are your college friends doing now?

What training is required?

Few students realize that graduate assistantships are available in STEM fields.

World of Chemistry

Series prepared for PBS in late 1980s

Nobel Prize winning host Roald Hoffmann

Interviews with scientists and engineers (Corning Glass, DuPont), scenes at factories, demonstrations by UWSP's Donald Showalter

NOVA Secrets of Lost Empires: The Roman Bath

Engineers, architects, historians
debate then execute plan.

Is this on the test?

Students will pay attention if they know they will be held responsible for knowing the material.

A list of questions to answer during or after a video will help students focus on useful information.

The determination of the crystal structure of DNA was one of the most important achievements of 20th century science. The double helix provided a molecular explanation for genetics and set the stage for modern biology.

The **NOVA** program *Secret of Photo 51* includes interviews with scientists and dramatizations of important events leading up to the solution of the crystal structure. Note examples of the following themes of modern scientific research:

1. Advanced equipment
2. Interdisciplinary work (biology, chemistry and physics)
3. International cooperation and/or competition among scientists
4. Communication difficulties among scientists