

HOSA Mini Lesson: History & Future of Medicine

Objectives:

Upon completion of this lesson, students will have sufficient knowledge of, and be able to:

1. discuss one medical discovery from history and the scientist who discovered/invented it.
2. collect research on the field of genetic engineering and designer babies.
3. compose a persuasive essay on designer babies.
4. construct a prototype of a new medical innovation.
5. create a “sales pitch” for their medical innovation.

Time:

- Medical discovery & scientist – one class period
- Research genetic engineering & designer babies. – two class periods
- Medical Innovation – three class periods

Materials:

- Internet access
- Rubrics – Exploring Medical Innovations, Researched Persuasive Writing & Speaking & Medical Innovations
- Household materials or Legos for prototype

Instruction:

1. Share PowerPoint on History & Future of Medicine (10:22 minute video)
2. Allow students to research one medical discovery and prepare a presentation and/or exhibit using Exploring Medical Innovations guidelines.
3. Assign research on genetic engineering and designer babies.
4. Assign persuasive essay on designer babies.
5. Assign students to develop a medical innovation with prototype and “sales pitch”.

Assessment:

1. Exploring Medical Innovation Exhibit or Presentation (rubric for Exploring Medical Innovation modified depending on assignment).
2. Persuasive Essay (rubric for Researched Persuasive Writing & Speaking modified for essay only).
3. Prototype and “Sales Pitch” (rubric for Medical Innovation modified depending on assignment).

Standards:

NCHSE

- 1.2.2 Describe biomedical therapies as they relate to the prevention, pathology, and treatment of disease.
- 2.3.1 Use proper elements of written and electronic communication (spelling, grammar, and formatting).
- 2.3.2 Prepare examples of technical and informative writing.
- 3.1.3 Analyze the impact of emerging issues on healthcare delivery systems.
- 6.1.2 Identify ethical issues and their implications related to healthcare.

For additional Curriculum Crosswalks visit [CE Useful Tools](#)