How Technology Affects and has Changed the Medical Field

Goals:
1. Students will research the use of technology in the medical field online before field trip.
2. On field trip, students will observe the use of technology in a medical environment.
3. On field trip, students will ask questions to various departments of the hospital and get their input on technology.
4. Students will create an assessment that they will fill out answering how technology has influenced the medical field.

Subject/Grade Level:
Computer Applications and Health - High School Grade 9

Standards: (Technology)
Standard 1: Nature of Technology - Students develop an understanding of technology, its characteristics, scope, core concepts* and relationships between technologies and other fields.

Standard 2: Technology and Society Interaction - Students recognize interactions among society, the environment and technology, and understand technology's relationship with history. Consideration of these concepts forms a foundation for engaging in responsible and ethical use of technology.

Classroom time:
2-3 class periods of 50 minutes
One morning or afternoon for field trip to Fisher Titus Medical Center (1 mile away)

Materials Needed:
*Will vary depending on assessment.
-Computer
-Color Laser Printer
-Microsoft Office Suite (Word, PowerPoint, Publisher, FrontPage)
-Internet Access

Process:
1. Student will do research online answering the question of how technology has influenced the medical field.
2. Student will develop a hypothesis/opinion to that question while doing research online.
3. Student will create an interview sheet with 3-5 questions and an assessment for the field trip that will help them support or disprove their hypothesis/opinion.
4. Student will go on field trip and interview no fewer than 2 people each from 5 different departments of the hospital.
5. Students will use their interview sheet that they created for each of their interviews. They should end up with a total of 10 interview sheets when completed.
6. Students will fill out their assessment sheet at the end of the field trip.
7. With a finished assessment sheet and finished interview forms, students will reassess their hypothesis and see how accurate it is.
8. Student will:
   - write a 2-3 page paper explaining their hypothesis with support from their interview and research
   or
   - create a PowerPoint Presentation explaining their hypothesis with support from their interview and research

Assessment:
Students will:
- Write a 2-3 page paper explaining their hypothesis with support from their interview and research.

Or

- Create a PowerPoint Presentation explaining their hypothesis with support from their interview and research.