

Middle-level CTE Learning Experience Title: Medical Inventions Length of Lesson: 6 days ( 40 minute periods) Grade Level: 6-8	CTE Area: Health Sciences CTE Theme: Problem Solving and Innovation CTE Content: Communication and Client Interaction Date Created: 8/27/2019
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PLANNING	
Curriculum Goal	Students identify medical inventions that have had an impact on human life. Students research information on how the invention was developed and what desirable and undesirable impacts it created. Students create a brochure and presentation that includes multiple information sources.
Essential Question(s)	What knowledge and skills are necessary to demonstrate introductory understanding of the application of problem-solving processes and the acquisition, evaluation, and application of the products of research for informed decision making?
National Standards	Common Career Technical Core Standards <a href="https://www.careertech.org/career-ready-practices">https://www.careertech.org/career-ready-practices</a> Career Ready Practices <ol style="list-style-type: none"> <li>1. Act as a responsible and contributing citizen and employee</li> <li>2. Apply appropriate and academic and technical skills</li> <li>4. Communicate clearly and effectively and with reason</li> <li>5. Consider environmental, social, and economic impacts</li> </ol>

NYS Standards	New York State Career Development and Occupational Studies (CDOS) Standards Intermediate Level <a href="http://www.p12.nysed.gov/cte/">http://www.p12.nysed.gov/cte/</a> Standard 1: Career Development Students will be knowledgeable about the world of work, explore career options, and relate personal skills, aptitudes, and abilities to future career decisions Standard 2: Integrated Learning Students will demonstrate how academic knowledge and skills are applied in the workplace and other settings Standard 3a: Universal Foundation Skills Students will demonstrate mastery of the foundation skills and competencies essential for success in the workplace
Learning Objectives	Problem Solving and Innovation 1. Problem Solving Students will c)

Vocabulary	Academic: communication, client, innovation, graphic organizer, brochure	Content Next-generation sequencing, 3D printer, immunotherapy, artificial intelligence, point-of-care diagnostics, virtual reality, social media, biosensors, trackers, convenient care, telehealth
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view in the next class.

#### Day 5

Teacher provides an opportunity for all groups to present their innovation via their brochure and allows other groups an opportunity to ask questions about the innovation.

Teacher provides students with the Innovation Reflection form (attached).

Teacher emphasizes how each innovation may change the way healthcare workers interact with their clients.

#### Day 6 (Closure)

Teacher reviews the ten innovations, their pros/cons and the way the innovation could impact communication and client care.

Teacher asks students to share their thoughts on the future of healthcare, based on the information learned.

#### Day 5

Groups of students present the information on

Performance  
Measure  
Analyzes Career  
Opportunities

Exemplary

Analyzes career opportunities to determine requirements and compare effectively with personal strengths and skills to identify matches and gaps.

Proficient

Analyzes career opportunities to determine requirement and compare effectively with personal strengths and skills.

Developing

Identifies career opportunities to determine requirements.

Beginning

information.







