



Full STEM Ahead Long Island – Healthcare Resources for Your Classroom

Background: Healthcare is a large system of professionals from specialized fields (frequently working together) for the improvement of physical, mental, and/or emotional wellbeing. Healthcare professionals guide individuals through wellness and disease from healthy ways to prevent illness and stay well, diagnosis and treatment, and recovery. Careers in healthcare include: nurses, radiologists, physical therapists, patient care advocates, and of course doctors to name a few.

Objective: Introduce students to healthcare. Provide students an opportunity to explore the value of technology in healthcare.

Vocabulary:

Below are terms commonly used when learning about healthcare -

Diagnosis	Specimen	Examine	Patient
Anesthetic	Malignant	Benign	Systemic
Intravenous	Prognosis	Homeostasis	Prevalence

Materials:

Access to a computer and internet, recording app

Procedure:

In today's activity students will work in groups to research a medical topic, disease, career, or the group may select a health issue they feel relates directly to themselves and their peers (nicotine addiction, stress, fad diets, etc.). Then, using their research, students will develop and record a public service announcement to inform the public and their classmates about the issue.

To start the project, each group of students will spend one to two class sessions researching their selected topic, note any advancements or discoveries in the field, related current events or studies, and connect the program back to their academics. Students should use their information to write up the script together keeping in mind each completed video should be two minutes or less. Students will then split their group into specific roles to script their video. Each group will need a director, actor(s), and a producer (or someone helping along with the words to the script, just in case).

Student videos should include- a brief overview of the topic, basic statistics, information on the career connected to their selection, why they chose their topic/importance of the issue at hand.



Lesson Resources:

There are great activities for students of all ages to introduce healthcare activities. All lessons are aligned with NGSS learning standards -

National Institutes of Health

<https://science.education.nih.gov/index>

PBS – Medical Field Lessons, Quizzes

https://ny.pbslearningmedia.org/search/?q=&selected_facets=supplemental_curriculum_hierarchy_nodes:2846&selected_facets=&selected_facets=

PBS – Nova (the Body and the Brain)

<https://www.pbs.org/wgbh/nova/topic/body/>

Explore Health Careers

<https://explorehealthcareers.org/career-explorer/>

Center for Disease Control and Prevention (lessons and professional development)

<https://www.cdc.gov>