

# Essential Question:

Why is it important to give back to the community where you live with your time, talents and skills?



#### 1.3 Civic Engagement and Engineering Overview

Class Basics
 Notebook
 Line of Learning

Common Core Standards

- 2. Video- You don't know Jack
- 3. Importance of Civic Engagement
- 4. Reflection





# Prepare your notebook

Table of contents







#### **Standards:**

NGSS HS. Engineering Design HS-ETS1-1. HS-ETS1-3.

ELA/Literacy - RST.11-12.9

#### Standards Statement

Students will create a list of objectives that will guide their learning through this lesson based on the above standards. It is important to see that all students have a voice and have skills, talents and critical thinking skills that can tackle important issues in the community.



# Review: Service-Learning





### Service-Learning

"Service-learning is a teaching and learning strategy that integrates meaningful community service with instruction and reflection to enrich the learning experience, teach civic responsibility and strengthen communities."

Resource: Corporation for National and Community Service.

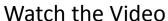
www.nationalservice.gov

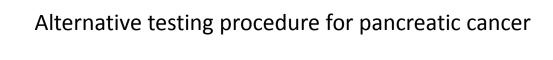


#### You Don't Know Jack











Pancreatic cancer

Click on the picture to launch the youtube video

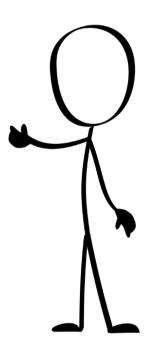






## How did Jack serve the community?





# What skills did Jack have to master to accomplish his goal?



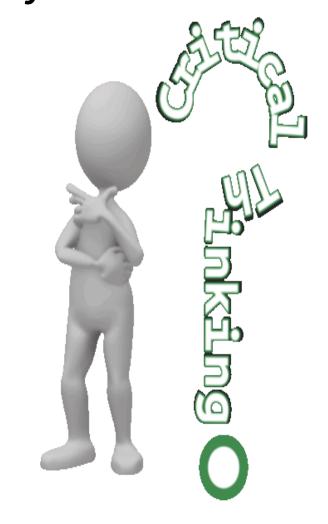


# Why is it important to give back to your community?



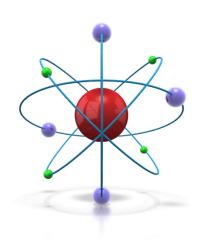


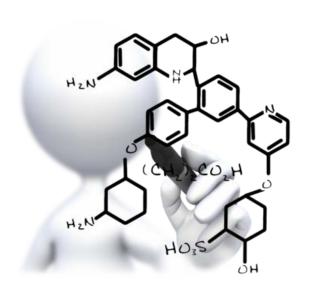
# How did this project differ from the Bicycle Helmet project?





# What Scientific Principles would you need to know to be able to test this product?







#### **Constraints**

# Evaluate the pancreatic cancer testing procedure

**Aesthetic Appeal** 



# How can civic engagement not only help the community but also help you?

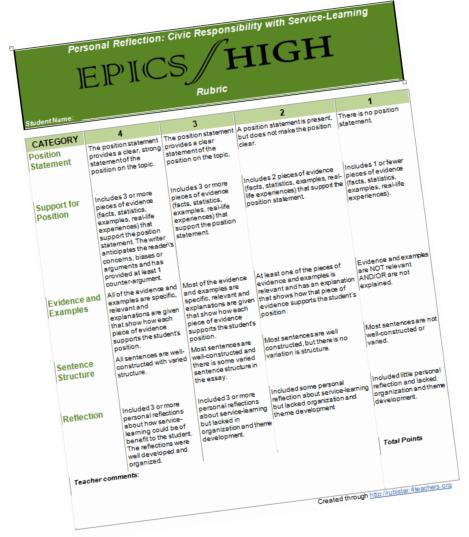






### Rubric

Explore your own talents, skills and passions about how civic engagement is essential not only for the community but beneficial to the students.







### Reflection

#### Have you?



Evaluate a real example of a student involved in service-learning and how it was beneficial academically, professionally, socially and was personally satisfying.

Explore how Service-Learning improves the lives of the community and has personal benefits.

Make the connection that service-learning involves both local and global issues.

Examine the criteria of an engineering project to determine cost, safety, reliability, aesthetic appeal and additional questions that they still had.



# Lesson Artifacts



Notebook Check



Student sheet 1.3

Entry in notebook or paper- The importance of civic responsibility



# Exit Slip



Name \_\_\_\_\_ EPICS / HIGH Three things I learned about the personal benefits of service-learning.



Two ways I contributed to class today:



One question I still have is:



My efforts in class were:

Fabulous @

OK

Could Be Better 🕾

 Answer the Questions on the sheet

 If you have further questions write them on the back



