

Exhibition

Scofield Magnet Middle School
Stamford Public Schools

What is Exhibition?

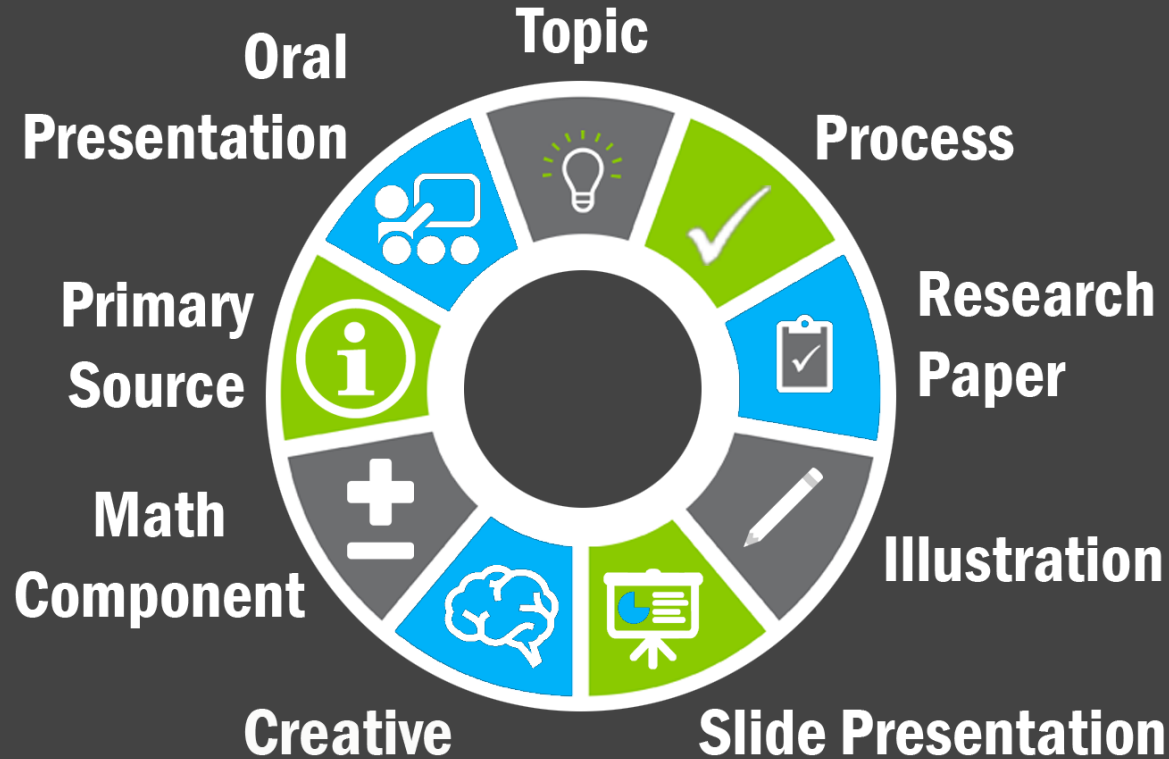
An opportunity for students to demonstrate in a public setting their command of a topic.

“We expect students to show us and explain to us how they use content--it’s more than mere memory.

It’s the first real step towards coming up with some ideas on their own.”

*~ TheodoreSizer,
Founder of the Coalition of Schools*

Components:



Exhibition Points: 400

- Process - 100 pts
- Research Paper - 100 pts
- Slide Presentation - 50 pts
- Creative - 50 pts
- Presentation - 100 pts
- 20% of 4th quarter grades



Process: Supporting Students

- Manageable “chunks”
- Clear deadlines
- Monitored through Advisory
- Assisted by support staff
- Exhibition club
- Communication with parents



Research Process:

- Broad guiding questions provided
- History of the topic
- Science behind the technology
- Initiated at school, continued at home



Research Paper:

- MLA format
- Multiple drafts
- Multiple avenues for feedback
- Organized in sections
- Guiding questions/rubrics

Guidelines for 1 st Original Draft (History and Science drafts combined)	
Introduction	<ul style="list-style-type: none">• Purpose- define what topic is and why we have it• Brief overview science and history
Suggested Sections <i>The sections below are based on the guiding questions. Your topic may require slightly different sections. See guidelines on back side for Section Headings</i>	
Inventors/Companies	
Development Over Time	Origins of technology and how it has evolved over time
How it Works	This section will include the <i>materials, parts of the technology</i> and will explain <i>how they work</i>
Impact	Tradeoffs to technology- pros/cons; costs
Future	Future projections/ advancements
Conclusion	

Draft Rubrics:

History Outline (This page will be turned in with your outline to your Social Studies teacher)				
5= Exceeds In depth; accurate analysis of topic; provides thorough evidence and analysis to demonstrate a thorough understanding of topic	4- Meets Accurate analysis of topic; provides relevant evidence and analysis to demonstrate understanding of the topic	3- Almost meets Provides a somewhat accurate analysis; provides limited evidence and analysis and shows a basic understanding of the topic	2- Does not meet Provides a minimally accurate analysis of the topic; provides little to no evidence or analysis, showing little understanding of the topic	1-Attempted Effort A draft is attempted; however section(s) are missing or incomplete
Inventors(s)/Companies <ul style="list-style-type: none"> • Inventor • Background on inventor • Companies and/or people who advanced the technology 				
Origins <ul style="list-style-type: none"> • Where did it get its start? • Early forms/variations of technology; what came before? • Why was it developed 				
Evolution <ul style="list-style-type: none"> • How has it changed over time • Important improvements/advancements • Future advancements 				
Impact <ul style="list-style-type: none"> • Benefits; costs • Risks • Environmental impact; health; quality of life 				

Turnitin.com

Advisory 205 Science Draft - DUE 08-Mar-2017 Roadmap Paper 10 of 15

Originality GradeMark PeerMark Science Draft

turnitin 18% SIMILAR OUT OF 100

Match Overview

1	www.enotes.com Internet source	10%
2	Submitted to Sparsho... Student paper	2%
3	Submitted to Colorado ... Student paper	2%
4	Submitted to EDMC Student paper	1%
5	Submitted to Vail Christ... Student paper	1%
6	Submitted to Wright Sta... Student paper	1%
7	Submitted to Montana ... Student paper	1%
8	Submitted to National U... Student paper	1%
9	Submitted to Royal Mel... Student paper	1%
10	www.slideshare.net Internet source	<1%

There are many careful steps that need to be taken while producing vaccines.

Workers in laboratories use harmful viruses that need to be weakened or killed in order to make a successful vaccine. They have to wear protective clothing, such as disposable Tyvek gowns, gloves, boots, hair nets, and face masks. The manufacturing room has to have specific air conditioning so that minimal particles are in the air.

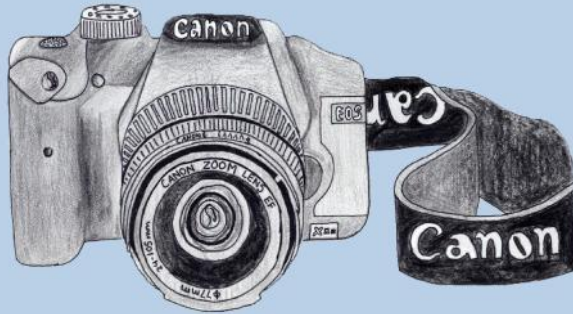
Laboratory cleanliness is observed throughout the whole procedure of transferring viruses and making the vaccine. This is done to ensure the purity of the vaccine and the safety of the workers. Transfers of the virus are made under sterile conditions, and materials used are sterilized in an autoclave before and after use. An autoclave is a machine that kills organisms. (*madehow.com*) They can vary in sizes from very small to very big.

Firstly, the lab starts the vaccine manufacturing process by starting off with a small amount of virus. This virus must be purified and free of any other similar viruses or variations of the same virus. It must be kept under ideal conditions, usually frozen, to

Presentation: Google Slides

The DSLR Camera

Angela M.



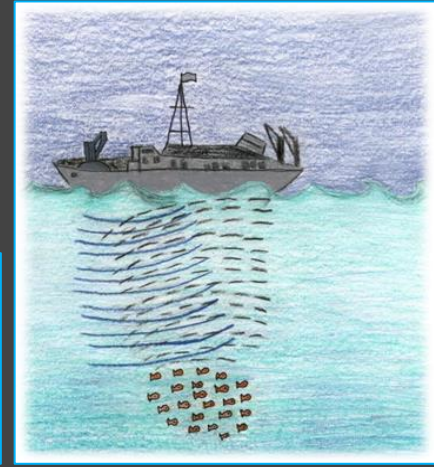
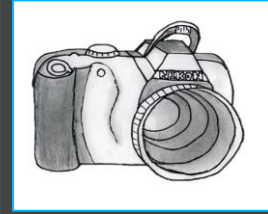
The Kodak Camera

- George Eastman
- 1888
- Great success
- Affordable



Illustration of Topic:

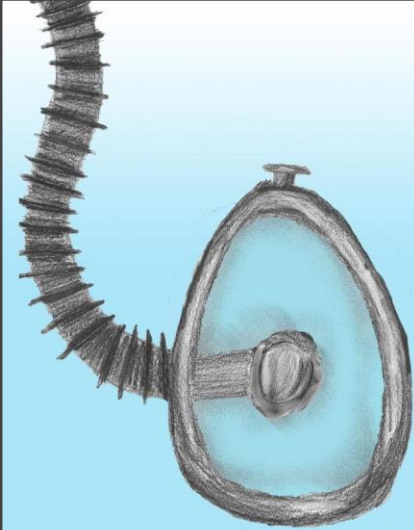
Students create an illustration of their topic to include in their presentation



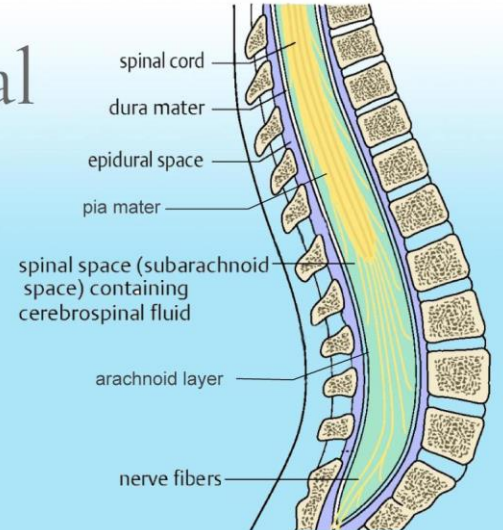
Presentation: Google Slides

Anesthesia

Eli B.



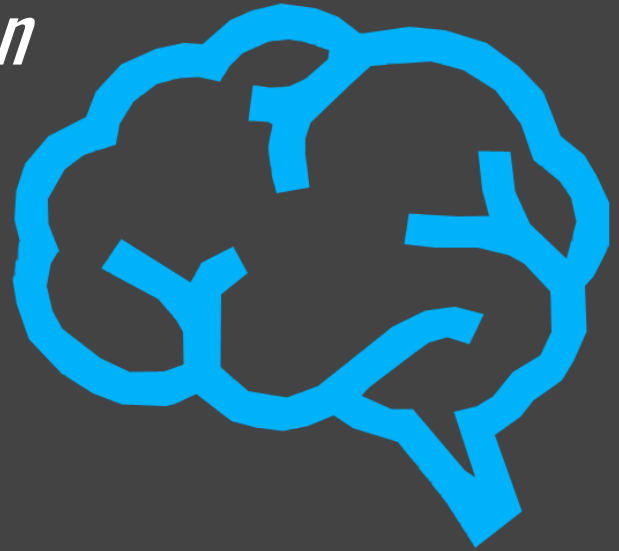
Cerebrospinal Meninges



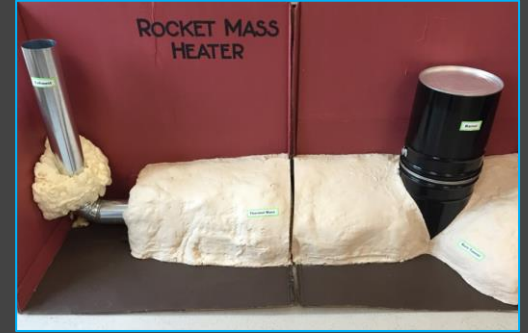
Creative:

A student-created product to visually enhance presentation and show function of the technology.

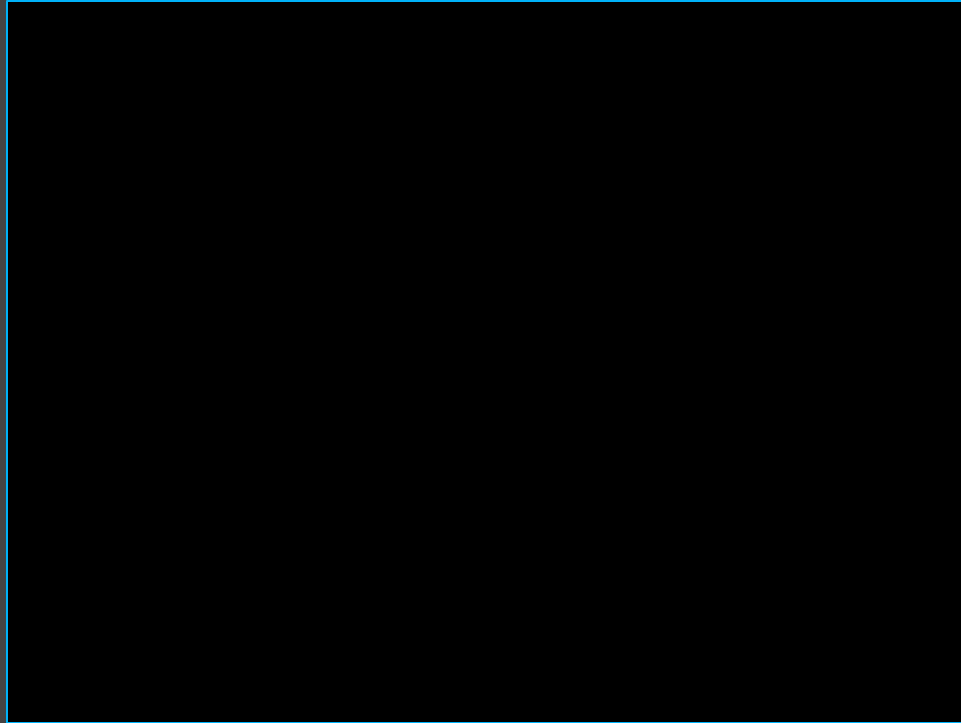
- 3-D model using original materials
- Student produced/edited Video
- Google Sketchup



Creatives:



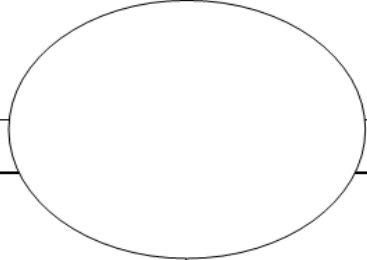
Creative Example: GMOs



Math Component:

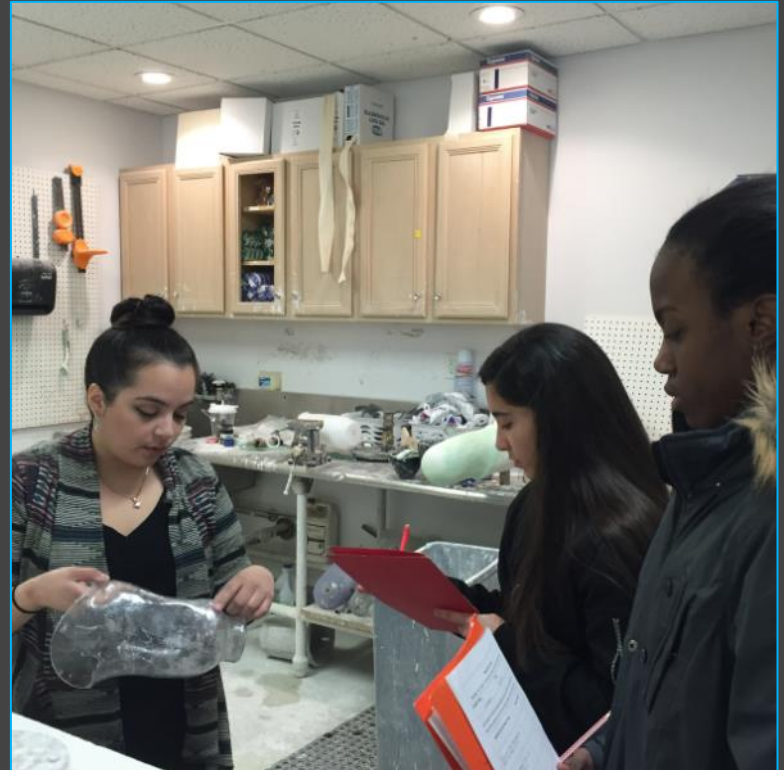
- Meaningful, relevant data
- Planning with graphic organizer
- Presented visually
- Analysis of meaning/impact

Exhibition Math Component Planner

What specific information does your data talk about or compare? (Hint: Look at axes.)	What does your data show or prove?
	

Primary Source:

Student led interview
with an expert in
their technology



Past Primary Sources:

- Food and Drug Administration
- Steinway Pianos
- Lockheed Martin
- FEMA
- Dupont Pioneer
- Bluetooth
- National Air and Space Museum
- Hoover Dam Museum
- NASA
- Boeing
- Stamford Hospital
- New England Orthotics
- Yale New Haven Hospital
- Advanced Radiology
- Otis Elevator Company
- Adidas

Presentation:

- Audience of peers, staff, community members
- Presentation and fielding questions
- Professional attire



Timeline:

Month	Component	Anchor Teacher
December	Exhibition Information Session	Advisory
January	Brainstorming & Topic Proposals/Original Artwork for Slides	Advisory/Art
February	History Research & Draft/Primary Source Plan	Social Studies & LA/Advisory
	Begin Google Slides Presentation	Technology
March	Science Research & Draft/Creative Plan	Science & LA/Advisory
April	Combined Draft, Creative Check, Slides Check	Advisory
	Data Component	Math & Science
May	Slides Due, Creative Due, Final Paper Due/Presentations	Advisory/All Team Teachers