

**Advancing Education and Culture:
Collaborations Between the Office of Cultural
Education and New York State Schools to Support
High Quality Teaching and Learning – Part 2**

***New York State Board of Regents Meeting
February 10, 2025***



Impact on Student Learning Experiences

Regional Networks

Professional Learning
for Educators & Leaders

Instructional Design &
Classroom Support

- School Library/Media
- Curriculum & Instruction
- Technology Integration



- Inquiry & Project-Based Curriculum Units
- Interdisciplinary Collaboration
- Classroom & Real World Experiences for Students



Cambridge
CENTRAL SCHOOL

Grade 4 Interdisciplinary Unit
ELA and Science
Cambridge Central School District
Cambridge, NY

CAMBRIDGE

MASTODON PROJECT

What can be learned about the habitats and behaviors of extinct animals of New York State by studying and preserving fossils?



- **Grade 4 Interdisciplinary Unit:**
 - ELA
 - Social Studies
 - Science



New York State Social Studies Standards 1 and 3 (4.1a, 4.1b, 4.2a)

New York State Science Standards 4-ESS1-1

New York State ELA Standards

Cambridge Mastodon Project

Highlights



- Guest Speaker and Visit to the High School Science Wing
- Mastodon Model Building

Learning



Photo Credit: Amazon Book Cover

- Mastodon Discovery Lab Reports
- Elementary Non-Fiction

NYS Museum



Photo credit: [New York State Museum](#)

- Use of [Online Resources/Articles](#)
- Annual Visit to State Museum



STILLWATER CENTRAL SCHOOL DISTRICT

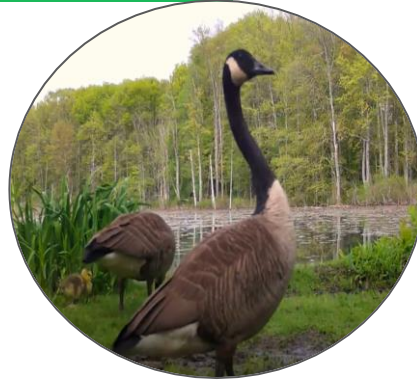
Grade 5 Science & STEM Integration Unit Freshwater Wetlands in New York State

**Stillwater Central School District
Stillwater, NY**

STILLWATER

Freshwater Wetlands in NYS

How does geography influence the animal species in New York State's wetlands?



Grade 5 Collaborative Unit:

- Science
- Technology Integration

New York State Science Learning

Standards:

5-LS1-1: From Molecules to Organisms: Structures and Processes

5-LS2-1: Ecosystems: Interactions, Energy, and Dynamics

5.MD.2: Represent and interpret data

4-6.CT.2: Collect digital data related to a real-life question or need

Stillwater Freshwater Wetlands Project

Highlights



- Trail cameras set up in the local wetlands of the Hudson River
- Connecting Students - Technology - Nature

Learning



- Comparison of museum research to local data
- Utilize collected data to draw conclusions about animal behavior:
"Raccoons are nocturnal - 10 out of 10 raccoon images were at night"

NYS Museum



Photo credit: [New York State Museum](#)

Educator & Student Use of Online Resources

- [Online Collection of Birds of NY Exhibit](#)
- [Bird Skeleton Specimen Photos](#)
- [Bird Research Pre-Lab](#)



Stealth Cam Video Capture



**HUDSON
FALLS**
CENTRAL SCHOOL DISTRICT

Grade 8 ELA & Social Studies Interdisciplinary Unit

Hudson Falls Central School District

Hudson Falls, NY

HUDSON FALLS

Honoring New York's 9/11 Survivors' Stories

What was it like to be a survivor of the 9/11 World Trade Center attack and how do their stories influence our lives today?

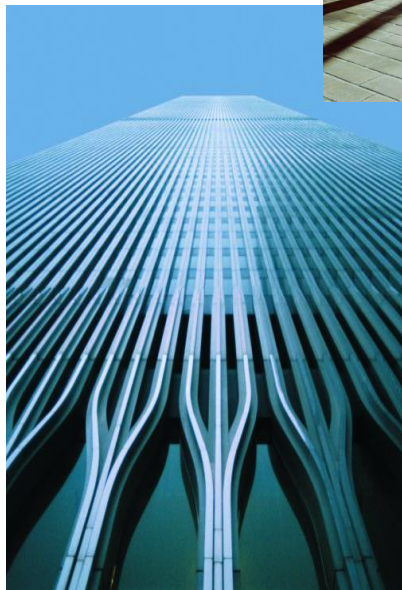


Photo credit: [New York State Museum](#)

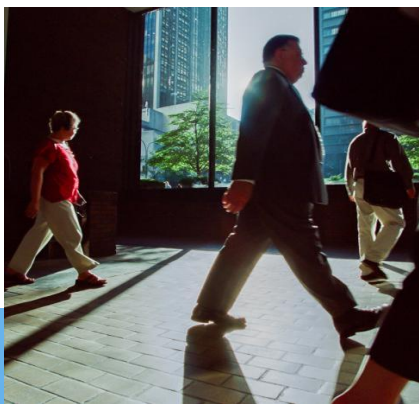


Photo credit: [New York State Museum](#)

Grade 8 Interdisciplinary Unit:

- ELA
- Social Studies

New York State ELA Learning Standards

- 8R1. Cite text evidence to support an analysis of explicit/implicit info in a text and make a logical inference
- 8R2. Determine a theme, analyze its development, summarize the text
- 8R3. Analyze how lines of dialogue or events propel action, show character, or provoke decisions
- 8R5. Analyze the structure of texts & draw conclusions
- 8SL1. Engage in collaborative discussions (a, c)

New York State Social Studies Learning Standards

- 8SSL1. History of the United States & New York

Hudson Falls: Honoring NY's 9/11 Survivors' Stories

Highlights



Grade 8 Field Trip to NYS Museum in Spring 2024

- ELA: Read *Ground Zero* by Alan Gratz
- SS: War in Afghanistan / Examining the historical lens of conflict & power
- How do individuals respond to external conflict while balancing internal conflict?

Learning

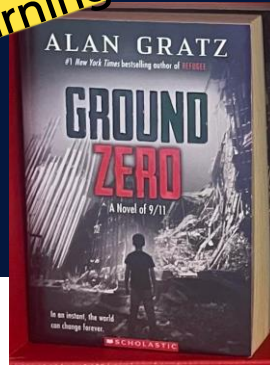


Photo credit: Scholastic Book Cover

- Journal writing for reflection, evidence collection, analyzing survivor experiences
- Student presentations on their World Trade Center Survivor's life, experience, and the impact of surviving the September 11th attack.

NYS Museum



Grade 8 Field Trip to NYS Museum in Spring 2024

- Field Trip - [World Trade Center Gallery](#)
- Use of Online Resources & Collections
 - [Voices of 9-11 online exhibition](#)
 - [World Trade Center Teacher Guide](#)



WATERFORD-HALFMOON

Union Free School District

High School Environmental Science

Animal Studies & Paleontology STEM Integration Unit:

Waterford-Halfmoon Union Free School District

Waterford, NY



Achieving Excellence Together

WATERFORD HALFMOON

Animal Science & Paleontology



Environmental Science - STEM
Integration Unit:

- Science
- Technology Integration

How can the fossilized remains of animals, like skulls and bones, help us understand what those animals were like when they were alive?

New York State Science Learning Standards:

HS-LS4-1: Biological Evolution: Unity and Diversity

HS-LS2-1: Ecosystems: Interactions, Energy, and Dynamics

New York State Computer Science Learning and Digital Fluency Standards:

4-6DL.4: Use a variety of digital tools and resources to create and revise digital artifacts.



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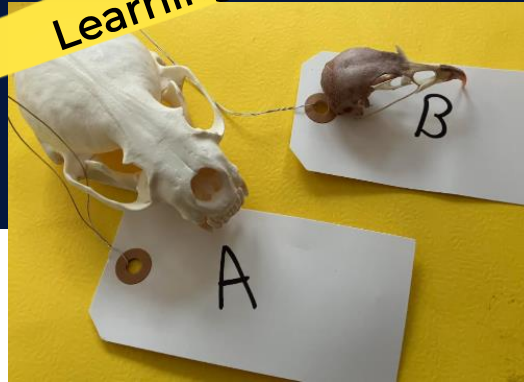
Waterford-Halfmoon Environmental Science

Highlights



RobotLAB VR
Expeditions 2.0

Learning



NYS Museum



Photo credit: [New York State Museum](#)

- [VR Expeditions](#): virtual reality archeology sites
- Local field work in Hudson River watershed
- Science Labs to investigate animal skull artifacts

- Local field data collection & global active site data collection comparisons
- Culminating Project - "Today's Paleontologist" Class Presentations

Use of online exhibits & collections:

- [Pleistocene Vertebrate Paleontology](#)
- [Mastodon fossils recently unearthed in Orange County](#)
- Recorded interview with [Dr. Robert Feranec](#)



Career & Technical Education

Construction Trades & Environmental Science

WSWHE BOCES

Henry Knox Artillery Sleds Project

What construction techniques and tools were used to create an artillery sled during the Revolutionary War?



Grades 11 & 12 Construction Trades, Forestry:

- ELA
- Math

New York State CDOS Standard 3b - Career Majors

New York State Math Standards GEO-G.SRT

New York State ELA Standards 11-12W2

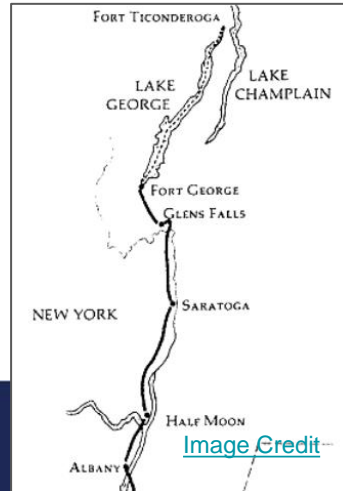




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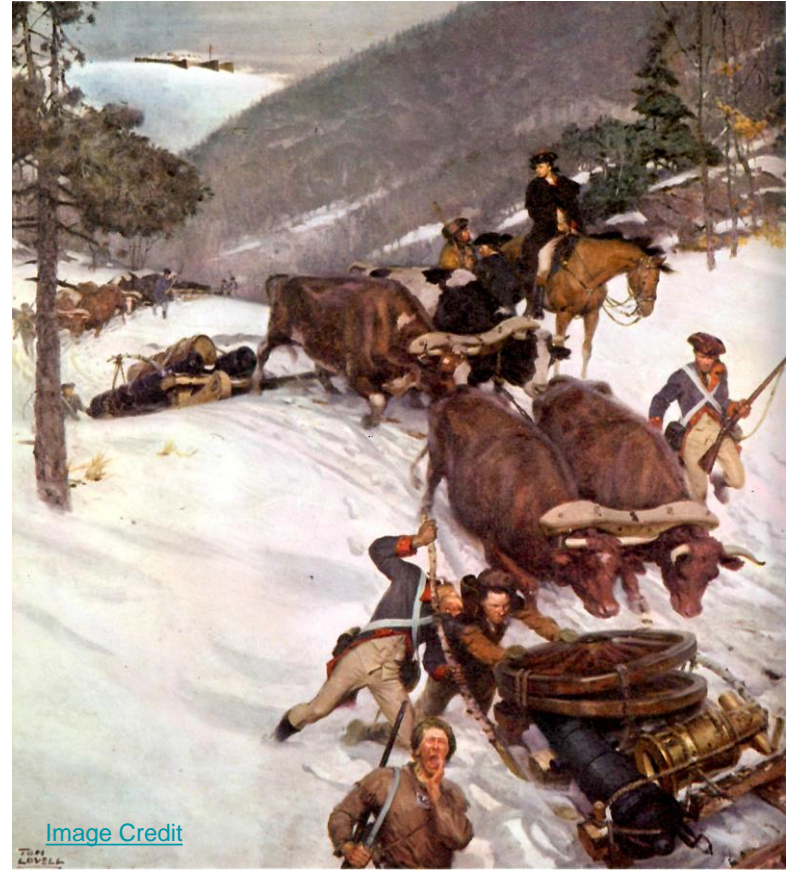


Image Credit

Henry Knox Artillery Sleds Project

Highlights

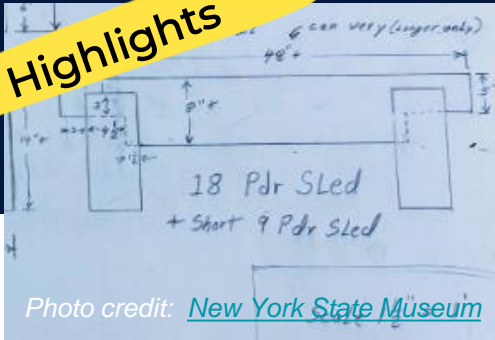


Photo credit: [New York State Museum](https://www.nysm.nysed.gov/)

- Geometry and measurement activities
- Student portfolio development
- Written reflections

Learning



- Construction of historically accurate Henry Knox Artillery Sleds for December 2025 Reenactment by "The Knox Committee."
- Project Culmination in December 2025 Saratoga County Knox Trail Reenactment

NYS Museum



Photo credit: [New York State Museum](https://www.nysm.nysed.gov/)

- Visit to State Museum to observe historical construction techniques and tools in context.
- Use of online images from <https://www.nysm.nysed.gov/>



A partnership between SUNY Adirondack & WSWHE BOCES

New Media Year 1 (Grade 11)

Principles of Design: Women's History Zine Project

WSWHE BOCES / SUNY Adirondack

Wilton, NY

EARLY COLLEGE CAREER ACADEMY

Votes for Women Zine Project

How can the effective use of design principles in presentation increase public engagement with historical information?



Principles of Design: Votes for Women Zine Project

- CTE - New Media
- College Art Courses

College Course Connection:

Graphic Arts: ART 222 and 252 (Year 1)

Art History: ARH 221 (Year 2)

New York State Media Arts Standards:

Anchor Standard 1 (Creating): Generating and developing artistic work based on historical research.

Anchor Standards 7 & 8 (Responding): Analyzing and interpreting how print media was used in social movements.

Anchor Standard 11 (Connecting): Relating historical events to modern forms of activism.

Anchor Standard 6 (Producing): Designing and sharing a print-based project in a public setting.

New Media Women's History Zine Project



Highlights

Photo credit: [New York State Museum](#)

- Historical Research of New York State's Women's Suffrage Movement Leaders
- Host a zine swap to exchange ideas & discuss work



Learning

- Historical Research / Retelling / Spotlight on Leaders / Propaganda Remix / Personal Reflection
- Reflect on the role of independent publishing in activism - then & now



NYS Museum

Photo credit: [New York State Museum](#)

Use of online exhibits & collections:

- [Votes for Women: Celebrating New York's Suffrage Centennial](#) 360 Gallery Tour
- [Educator Resources](#) & [Notable Biographies](#)

Class Interview w/ Museum Historian & Curator

Photo credits: [New York State Museum](#)

Achieving Excellence Together

Thank You! Questions?

Dr. Turina Parker, District Superintendent

Mr. David Ashdown, Executive Director for Technology & Business Operations for
School Support Services

Dr. Cecilia Dansereau-Rumley, Director for Data Privacy & Professional Learning

