S.T.E.A.M.

District Update

Science
Technology
Engineering
Art
Mathmatics

Presentation Outline

1. Drafted Vision and Mission
2. Visits
3. Creation Spaces
4. Equipment
5. Curriculum and Programming
6. Staffing
7. Timeline

Draft Vision and Mission

Our vision is to inspire a generation of creative problem-solvers by integrating Science, Technology, Engineering, Arts, and Mathematics into dynamic, hands-on learning experiences. We aim to cultivate curiosity, innovation, and collaboration, empowering all learners to thrive in a rapidly evolving world.

Our mission is to provide K-12 students with an inclusive, interdisciplinary STEAM education that fosters critical thinking, creativity, and real-world problem-solving skills. Through experiential learning and collaborative projects, we empower students to become innovative thinkers and lifelong learners prepared for future academic and career success.



EMPOWERING STUDENT SUCCESS

The Haldane Essentials	*Exploring connections between The Haldane Essentials and the New York State Portrait of a Graduate*	NYS Portrait of a Graduate
Critical Thinking		Critical Thinker
Problem Solving		Creative Innovator
Communication		Effective Communicator
Growth Mindset		Academically Prepared
Emotional Intelligence		Reflective & Future Focused
Wellness		Global Citizen

District Visits

Chappaqua
September 18

Christine Jamin
MaryAnn Seelke
Josh Elder
Regina Kaishan
Leah Horn
Julia Sniffen

Marlboro
February 28

Gabe Horn
Leah Horn
Amanda Cotchen
Dan McGroaty
MaryAnn Seelke
Renee Curry
Regina Kaishan
Julia Sniffen

Chappaqua
April 1

Gabe Horn
Mark Patinella
Simon Dudar
Josh Elder

Chappaqua Visit

Elementary K-4



GLC & Maker-Spaces

Middle Schools 5-8



STEAM Centers

High School 9-12



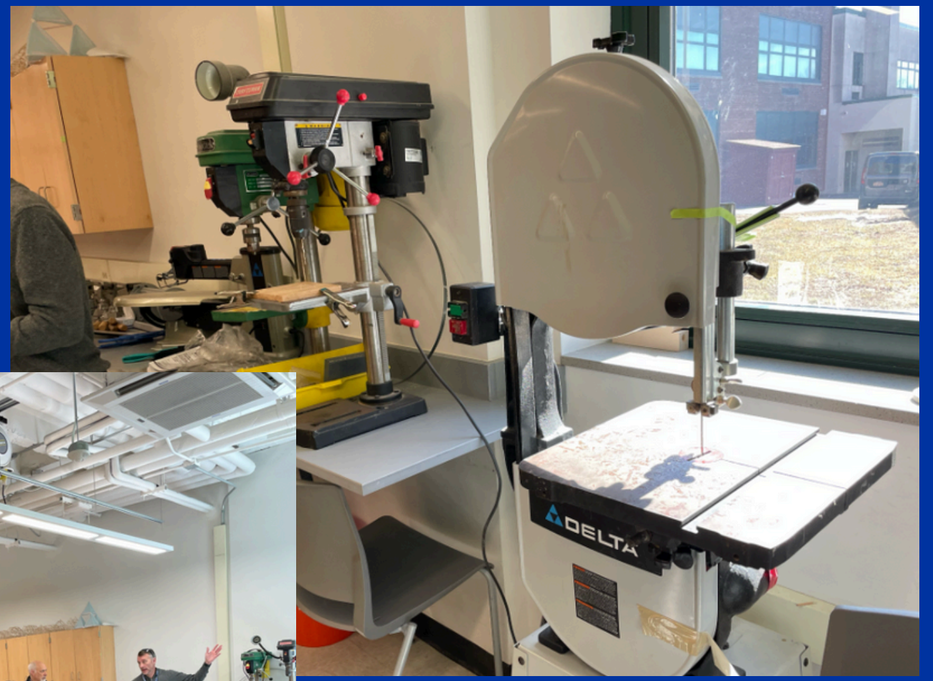
STEAM Building & Sustainability Center

Marlboro Visit





K-5 Space





MS Space



High School Clean Side



High School Clean Side



High School Dirty Side





Main Building Clean Side





6 Scroll Saws



2 Oscillating Spindle Sanders



6 Drill Presses



1 Table Saw



2 Belt and Disc Sanders



4 Vortex Cone Dust Collectors

HALDANE
CENTRAL SCHOOL
DISTRICT

September 8, 2025

Dear Principals of Engineering Students,

I am reaching out with an exciting opportunity for your class to take on a meaningful and creative project that will directly benefit the high school community. With the nice weather upon us, we would like to add picnic tables to the outdoor areas of our campus. These tables will serve as safe, comfortable, and functional spaces for students to eat lunch, socialize, and work collaboratively—all while supporting our no-cell-phone policy by encouraging face-to-face interaction.

I am asking your class to design and construct these picnic tables. Please feel free to be creative in your designs, keeping in mind that all tables must be safe, durable, and approved by the Facilities Department before construction.

Additionally, I will require a detailed list of all necessary materials and supplies to ensure we can support the project effectively.

This project provides a real-world application of your engineering skills and will leave a lasting impact on our school community. I am excited to see what your class creates and how your designs enhance student life here at Haldane.

Thank you in advance for your hard work and dedication.

Sincerely,

Mrs. Sniffen



2 Desktop Laser Cutters
for Education



40 3D Printers

Curriculum & Programming

Thematic Design
Backward Design
Problem or Project Based
Universal Design For Learning

Staffing

Secondary

Certified STEAM Teacher

Certified CTE Teacher

Elementary

K-6 Teacher or STEAM Teacher

Timeline

2024-2025

- Visit Schools
- Create Core-Team
- Develop Space
- Equipment Selection

2025-2026

- Vision & Mission
- K-12 Conversations with Students and Faculty
- Professional Development - Discovery Conference
- Program Planning K-12
- Program Alignment

2026-2027

- Hire Secondary Educator
- Elective Courses Offered at Secondary Level
- Curriculum Writing
- Summer Institute

2027-2028

- Hire Lower Level Educator
- Curriculum Writing
- Summer Institute

Questions?