We Are Sweet Home

Board of Education Study Session

Tonight's Presentations

- Wendel to Discuss our Conversion to Clean Transportation.
- Professional Learning Plan

Zero Emission Vehicle Strategic Plan





wendel

August 23, 2022



Who is Wendel?

NYS Battery Electric Bus Goals

Wendel Scope of Work

NYSERDA Program

Cost to Sweet Home School District

W

Wendel has a strong practice in the **transportation sector** and provides planning, design and execution services for **Battery Electric Vehicles, charging infrastructure and operation facilities**.

Wendel also has a strong **alternative fuels** group that provides consulting services for propane, compressed natural gas, battery electric vehicles and hydrogen fueled vehicles.

Services Wendel Offers:

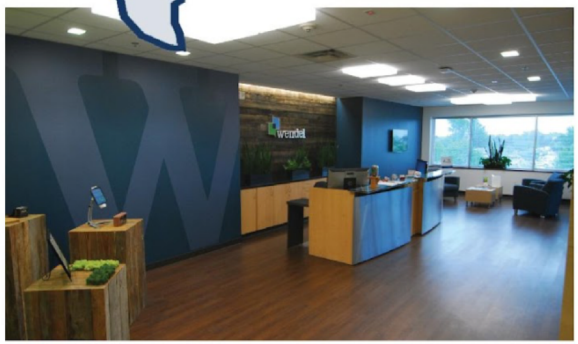
ARCHITECTURE	ENGINEERING	ENERGY EFFICIENCY	CONSTRUCTION MANAGEMENT
INTERIOR DESIGN	CIVIL	ENERGY AUDITS	MASTERBUILDER
LANDSCAPE ARCHITECTURE	ELECTRICAL	COMMISSIONING	PROGRESSIVE DESIGN/BUILD
	ENVIRONMENTAL	PROFESSIONALLY ASSISTED PERFORMANCE CONTRACTING	DESIGN/BID/BUILD
	MECHANICAL	ALTERNATIVE FUNDING/GRANT PROGRAMS	CONSTRUCTION MANAGEMENT AT RISK (CMAR)
	MUNICIPAL	RETROFIT AND IMPLEMENTATION DESIGN	CM AGENT
	STRUCTURAL	GREEN BUILDING DESIGN	GMP DESIGN/BUILD
	TRANSPORTATION	MEASUREMENT & SAVINGS VERIFICATION (M&V)	
	RAILROAD	RENEWABLE TECHNOLOGIES	
	ALTERNATIVE FUEL SOLUTIONS/CNG		
	WATER/ WASTEWATER RETROFITS		
	LAND SURVEYING		
	GEOGRAPHIC INFORMATION SYSTEMS (GIS)		
	PLANNING		

wendel



MAP OF WENDEL OFFICES (WENDEL ICONS) AND STATES THAT WENDEL IS QUALIFIED TO DO BUSINESS IN (GREY SHADE)





250+ Employees

15

All Electric School Buses by 2035?



Key takeaways:

- By **2027** all new school bus purchases need to be zero-emissions and all new school buses on the road will be zero-emissions by 2035.
- The Senate is requiring the state to identify barriers to the 100% by **2035** goal so that they may be resolved early.
- New York State Energy Research and Development Authority (NYSERDA) is being tasked to provide technical assistance to school districts as they navigate the transition to 100% electric buses.

Wendel has been providing clients with the switch to alternative fuels for over 30 years.

wendel

All Electric School Buses by 2035?

Planning for this is going to create some question and concerns like:

What are the implications of Battery Electric Buses on my district's infrastructure?



What are the impacts on our bus routes?



How is the District going to pay for all this?



wendel



Proposed Scope of Work

Project Goals –

Utilizing NYSERDA's Clean and Green Energy Solutions Program perform a study evaluating the transition to zero emission vehicles for the school bus fleet.

- Data Collection
- Bus Route Analysis
- Conceptual Charging Strategies
- Electric Utility Analysis
- Concept Development and Phasing Plan
- Transition Plan Cost Estimates

K-12 Schools – Green & Clean Energy Solutions Program (PON 4157)

Expires December 30, 2022

6,000 Schools in NYS

$1B in Annual Energy Costs

5.6M Metric Tons Carbon Dioxide

Goal:

Reduce School Energy Loads and Assist Conversion to Carbon Free Fuels

75% Study Cost-Share Grant

- Non-Competitive – First Come First Serve

Eligible Projects

- Building Energy Systems (HVAC Systems)
- Renewable Energy Technologies
- Retro-Commissioning
- Fleet Electrification
- Carbon Reduction Planning

Utilize Wendel's Term Contract

- 3-4 Weeks for Purchase Order

Project Cost and Schedule

- Total Project Cost = **$81,520**
- Sweet Home School District Share = 25% or **$20,380**
- NYSERDA will contribute 75% or **$61,140**

As a NYSERDA approved contractor, NYSERDA will pay Wendel directly.

The school district will pay Wendel directly.



wendel

Proposed Project Schedule

MILESTONE	WEEKS FROM NOTICE TO PROCEED
Task 1: Project Kickoff and Status Meetings	2 Weeks
Task 2: Data Collection	4 Weeks
Task 3: Route Analysis	6 Weeks
Task 3a: Optional Route Analysis	7 Weeks
Task 4: Conceptual Charging Strategy	10 Weeks
Task 5: Electric Utility Analysis	10 Weeks
Task 5a: Optional Analysis Vehicle to Grid	12 Weeks
Task 6: Concept Development and Phasing Plan	17 Weeks
Task 7: Transition Plan Cost Estimates	19 Weeks
Task 7a: Optional Analysis – O&M Costs	20 Weeks
Task 8: Final Report	22 Weeks

wendel



wendel

Thank you



John Havrilla, PE
Director of Alternative Fuels
jhavrilla@wendelcompaines.com

Keith Krug, CEM
Energy Services
kkrug@wendelcompanies.com

www.wendelcompanies.com

We Are Sweet Home

Board of Education Study Session

Tonight's Presentations

Professional Learning Plan by Toyia Wilson and Scott Wolf



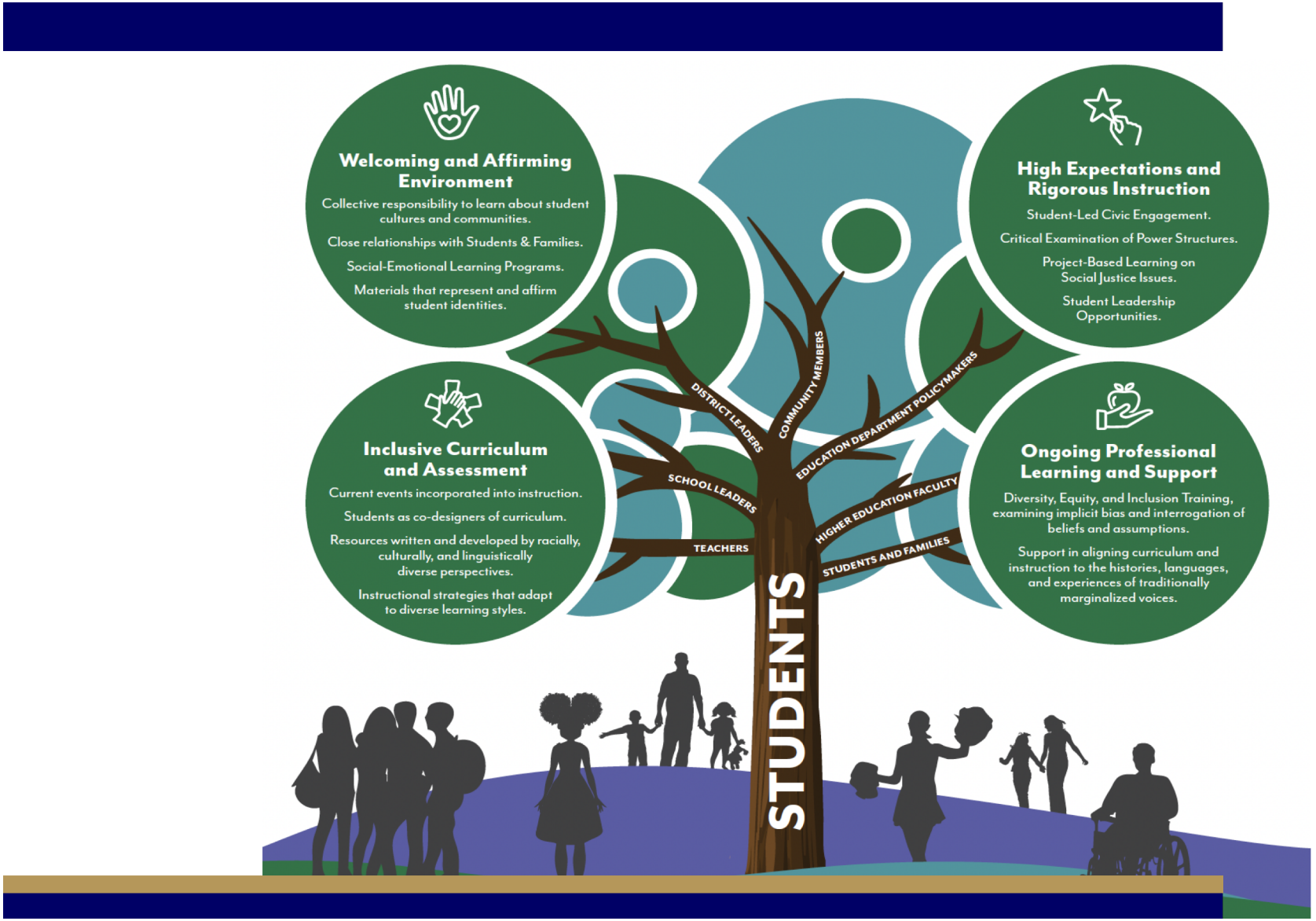
Sweet Home Professional Learning Plan

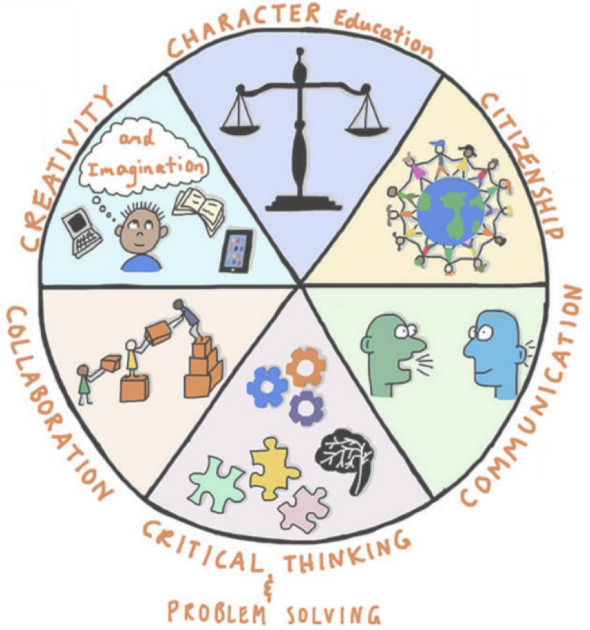
September 2022

SWEET HOME

Professional Learning Plan

The purpose of the Professional Learning Plan is to **improve** the quality of **teaching and learning** by ensuring that when teachers and leaders participate in substantial **professional learning** they have opportunities for **professional growth**, remain **current** with their profession, and **meet the learning needs** of their students.


Welcoming and Affirming Environment
Collective responsibility to learn about student cultures and communities.
Close relationships with Students & Families.
Social-Emotional Learning Programs.
Materials that represent and affirm student identities.
High Expectations and Rigorous Instruction
Student-Led Civic Engagement.
Critical Examination of Power Structures.
Project-Based Learning on Social Justice Issues.
Student Leadership Opportunities.
Inclusive Curriculum and Assessment
Current events incorporated into instruction.
Students as co-designers of curriculum.
Resources written and developed by racially, culturally, and linguistically diverse perspectives.
Instructional strategies that adapt to diverse learning styles.
Ongoing Professional Learning and Support
Diversity, Equity, and Inclusion Training, examining implicit bias and interrogation of beliefs and assumptions.
Support in aligning curriculum and instruction to the histories, languages, and experiences of traditionally marginalized voices.
STUDENTS
DISTRICT LEADERS
COMMUNITY MEMBERS
EDUCATION DEPARTMENT POLICYMAKERS
SCHOOL LEADERS
HIGHER EDUCATION FACULTY
TEACHERS
STUDENTS AND FAMILIES





What does it mean to be ready for the future?

Portrait of a Graduate

Attributes that define each students' skills, attitudes,and dispositions

Students Experiences

The experiences necessary to support building identified attributes

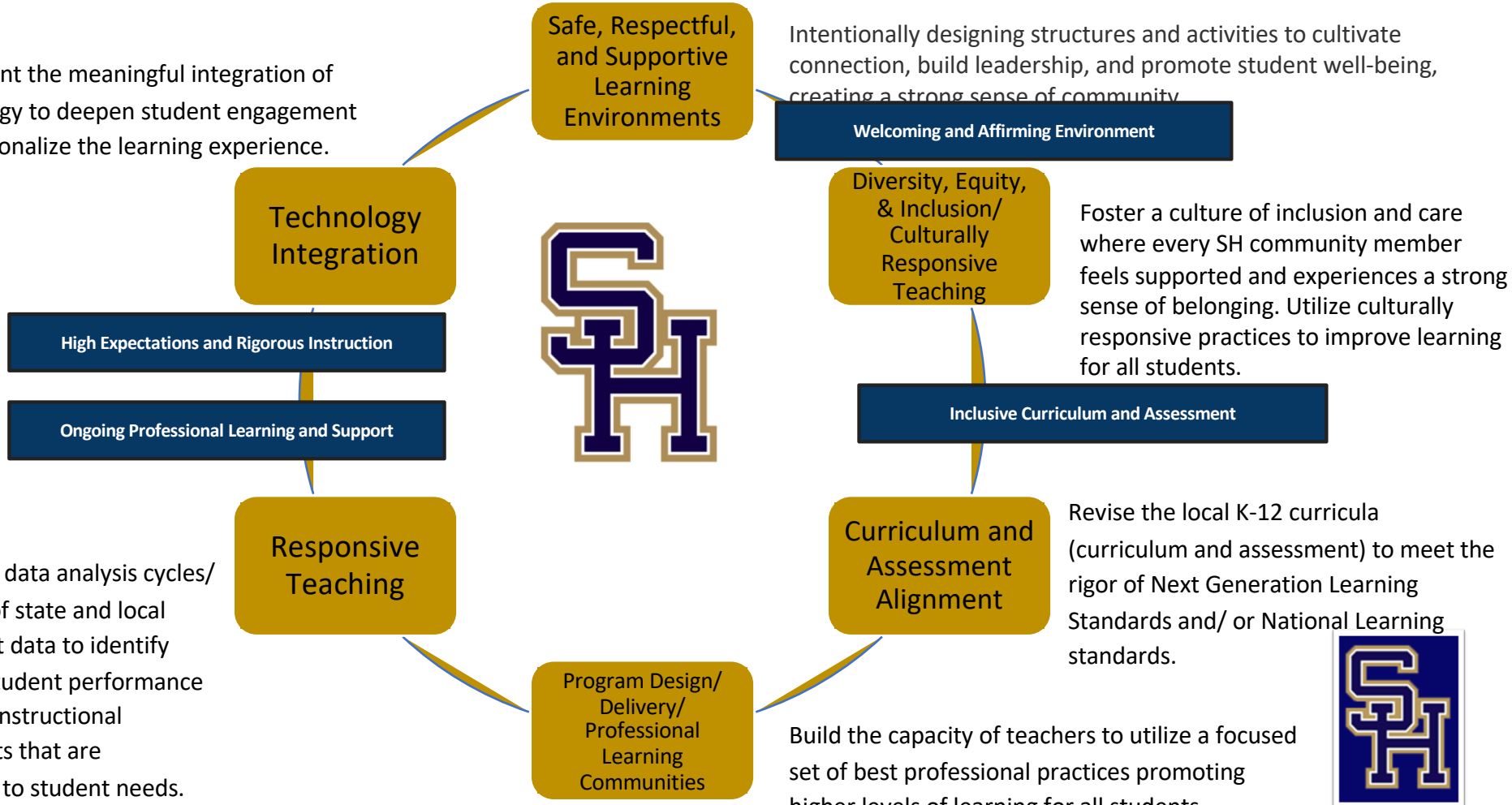
Staff Experiences

What is needed to build the capacity of educators to support the identified attributes



2022-23 Improvement Focus

1. Intentionally designing structures and activities to cultivate connection, build leadership, and promote student well-being, creating a strong sense of community.
2. Foster a culture of inclusion and care where every SH community member feels supported and experiences a strong sense of belonging.
    a. Utilize culturally responsive practices to improve learning for all students.
3. Revise the local K-12 curricula (curriculum and assessment) to meet the rigor of Next Generation Learning Standards and/ or National Learning standards.
4. Build the capacity of teachers to utilize a focused set of best professional practices promoting higher levels of learning for all students.
5. Revise and implement data analysis cycles/ protocols of state and local assessment data to identify trends in student performance and make instructional adjustments that are responsive to student needs.
6. Implement the meaningful integration of technology to deepen student engagement and personalize the learning experience.



Intentionally designing structures and activities to cultivate connection, build leadership, and promote student well-being, creating a strong sense of community

Foster a culture of inclusion and care where every SH community member feels supported and experiences a strong sense of belonging. Utilize culturally responsive practices to improve learning for all students.

Revise the local K-12 curricula (curriculum and assessment) to meet the rigor of Next Generation Learning Standards and/ or National Learning standards.

Build the capacity of teachers to utilize a focused set of best professional practices promoting higher levels of learning for all students.

Implement data analysis cycles/ protocols of state and local assessment data to identify trends in student performance and make instructional adjustments that are responsive to student needs.

Implement the meaningful integration of technology to deepen student engagement and personalize the learning experience.

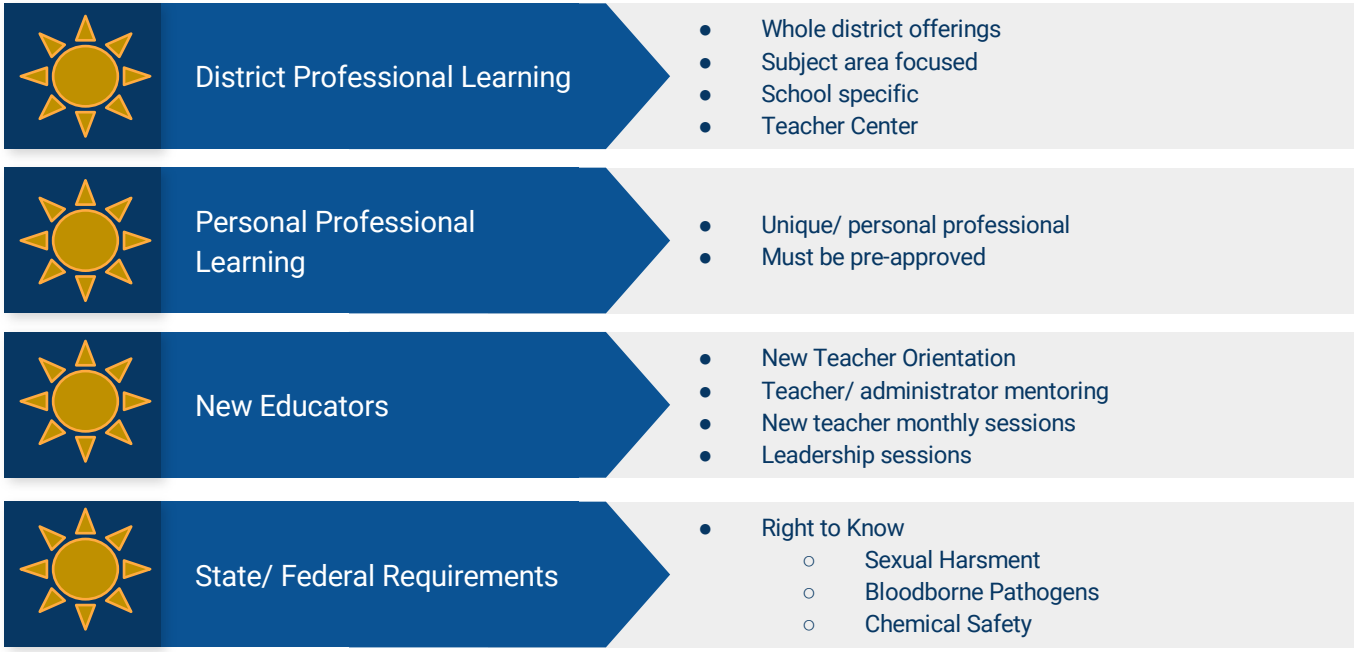
District Improvement Focus

Long-Term Improvement Strategy	Major Area	Improvement Focus Activities
1. **Intentionally designing structures and activities to cultivate connection, build leadership, and promote student well-being, which creates a strong sense of community.**	• Safe, Respectful and Supportive Learning Environment • Program Design/ Delivery/ Professional Learning Communities • Responsive Teaching	Trauma-Informed/Sensitive Practices Restorative Practices Leader In Me
2. **Foster a culture of inclusion and care where every SH community member feels supported and experiences a strong sense of belonging.** • **Utilize culturally responsive practices to improve learning for students**	• Safe, Respectful and Supportive Learning Environment • Diversity, Equity & Inclusion/ Culturally Responsive Teaching • Program Design/ Delivery/ Professional Learning Communities	DEI Initiative Culturally Responsive Practices
3. **Revise the local K-12 curricula (curriculum and assessment) to meet the rigor of Next Generation Learning Standards and/ or National Learning standards.**	• Program Design/ Delivery/ Professional Learning Communities • Diversity, Equity & Inclusion/ Culturally Responsive Teaching	Curriculum Alignment- NGLS Civic Readiness

District Improvement Focus

Long-Term Improvement Strategy	Major Area	Improvement Focus Activities
4. Build the capacity of teachers to utilize a focused set of best professional practices promoting higher levels of learning for all students.	• Safe, Respectful and Supportive Learning Environment • Program Design/ Delivery/ Professional Learning Communities • Diversity, Equity & Inclusion/ Culturally Responsive Teaching • Responsive Teaching	Mentoring and New Teacher Induction Professional Learning Communities- Inquiry Cycle Instructional Coaching Big Picture Learning Model Foundational Literacy- Literacy Lessons Early Childhood Math Routines & Assessment, & Content-Coaching
5. Revise and implement data analysis cycles/ protocols of state and local assessment data to identify trends in student performance and make instructional adjustments that are responsive to student needs.	• Responsive Teaching • Program Design/ Delivery/ Professional Learning Communities	Data Wise Improvement Process Responsive Teaching & Multi-Tiered Systems of Support
6. Implement the meaningful integration of technology to deepen student engagement and personalize the learning experience.	• Technology Integration • Program Design/ Delivery/ Professional Learning Communities	Digital Citizenship Blended Learning Instructional Coaching

Professional Learning Layers



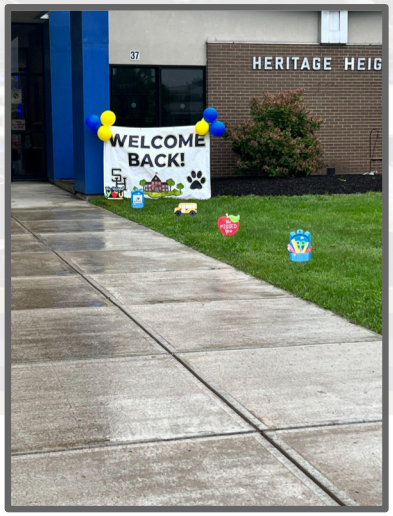

SWEET HOME

We Are Sweet Home

Opening Day of School

Fantastic First Day!









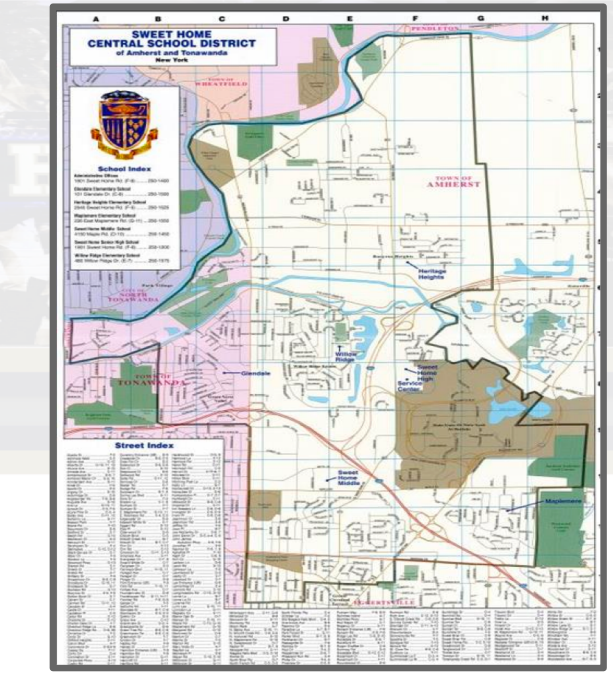
We Are Sweet Home

Building Enrollment June 30 vs September 12

School	2021-2022	Sept. 12, 2022	Enrollment Change
High School + Ready	1018	1078	+60
Middle School	738	765	+27
Glendale	362	426	+64
Heritage Heights	339	403	+64
Maplemere	466	485	+19
Willow Ridge	383	364	-19
Gain or Loss			+215
UPK Factor			+70

We Are Sweet Home

District-Wide Census



We Are Sweet Home

Service Area Job Fair



We Are Sweet Home

Middle School and ES Security

- SRO office and added guard now at MS.
- SRO making rounds to all elementary buildings.
- Partnership with Town of Amherst and Town of Tonawanda to provide additional patrols as needed, like at events.

We Are Sweet Home

Meetings with Local Law Enforcement





We Are Sweet Home

Director of Athletics Update

- 13 candidates applied.
- Screened 6 candidates that met the criteria and credentials for the position.
- Committee will see four candidates on Tuesday.
- Final round on Thursday.
- Name for recommendation to the BOE for the Sept. 20 voting session.

We Are Sweet Home

Superintendent's Report

Questions from the Board??