

Smart Schools Grant

24 April 2024



Scotia-Glenville
CENTRAL SCHOOL DISTRICT

Smart Schools Bond Act

Statewide referendum passed in 2014 intended to provide additional funding for new educational technology and infrastructure improvements to enhance learning opportunities through the following avenues:

1. Install high-speed broadband internet or wireless connectivity
2. **Acquire learning technology or facilities (computers, interactive whiteboards, machinery, etc)**
3. Construct / modernize pre-K facilities
4. Install high tech security features



Smart Schools Bond Act

Scotia-Glenville received a \$1,696,747 allocation

- Approximately \$100,000 is allocated for Mekeel.
- There is no expiration date on Smart Schools funds.
- Smart Schools is a reimbursement program. Approved purchases are submitted to NYSED, who will then reimburse the district.
- Classroom Learning Technology funds cannot be used for software / online programs



Current State of Technology at Scotia-Glenville

- 1 : 1 Student Chromebooks in Grades 2 - 12. Replacement cycle built into yearly budget.
- Network / WiFi is robust.
- Security upgrades occur on a near annual basis.

- Areas of Need:
 - Interactive classroom technology
 - Devices for staff
 - Devices for K-1



Our Smart Schools Committee

Joe Bodden, Parent	Marissa Gordon, Academic Head	Deb Byrne, GD Librarian
Drew Giaquinto, Business Official	Matt Hubbell, Academic Head	Liz Fawcett, HS Librarian
Sylvi Joseph, IT Director	Tonya Federico, Sac Principal	Jeff Denney, LINC Gr5
Justin Cramer, Acture	Jan Tunison, MS Librarian	Brett Campbell, GW PE
Rick Arket, ASCI	Brendan Swider, SAC Reading	



Committee Goals

-  Committee Smart Schools Investment recommendations will align with our District Mission Statement and Technology Plan Vision.
-  Prioritize classroom technology that is student facing and future-oriented.
-  Provide opportunity for instructional innovation in the classroom.
-  Prioritize classroom technology that is both equitable and sustainable.



District Mission Statement and Tech Plan Vision

SG Mission Statement

The Scotia-Glenville School District is committed to providing an environment which allows students to realize their full potential and thus prepares them for life in an ever changing world.

In the tradition of excellence, Board of Education, administration, staff, parents, business and community members will continue to ensure that our educational system fulfills the needs of our students.

SG Tech Plan Vision

Scotia-Glenville's vision focuses on integrating technology in a balanced manner to facilitate the academic programs supported by the district in our education and business environments.



Ed Tech 2.0: Engagement - Enhancement - Extension

Guiding Questions

1. Does the tech motivate students to start the learning process?
2. Does the tech encourage students to move from passive to active learners?
3. Does the tech aid students in developing/demonstrating more sophisticated understanding of content, creating opportunities for creation/production?
4. Does the tech create scaffolds to make it easier to understand concepts?
5. Does the tech create paths for students to demonstrate their understanding of learning targets?
6. Does the tech create opportunities for students to learn outside of the school day?
7. Does the tech create a bridge between school learning and everyday life experiences?
8. Does the tech allow students to build skills that they can use in the real world and in the workforce?

(Adapted from Kolb, 2019)



Committee Actions

- Committee met in December, January, and March to develop plan
- Secondary students surveyed in December
- Tech Innovation Grant Application sent to all teachers in February
- BOE Presentation on April 24



Smart Schools Preliminary Expenditure Plan

Item	Quantity	Approx Total Cost	Notes
Viewsonic 75" 4k Interactive Flat Panel Viewboard	250	\$ 750,000	1 per classroom
Teacher Chromebooks: Lenovo 14" IdeaPad	300	\$ 250,000	1 cb per teacher
K-1 Student Chromebook Carts	8 carts 200 cbs	\$ 100,000	1 cart for K and Gr1 in each building
Next Generation Computer Labs at the MS & HS	2 labs	\$ 100,000	15 MSI Aegis gaming desktops per lab
Administrator Laptops: Lenovo 16" ThinkPad	20	\$ 30,000	
	Total	\$ 1,230,000	

Smart Schools Preliminary Expenditure Plan

Department	Item	Quantity	Approximate Total Cost
Technology	3D Printers	6	\$ 2,500
	Laser Engraver	1	\$ 7,000
	CNC Machine	1	\$ 15,000
	Waterjet Cutter	1	\$ 12,000



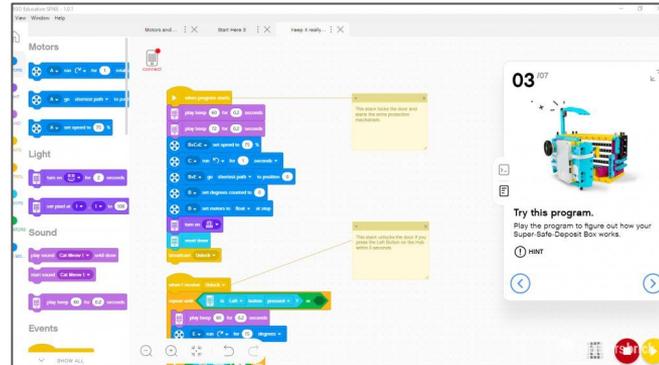
Smart Schools Preliminary Expenditure Plan

Department	Item	Quantity	Approximate Total Cost
Art	Digital Cameras	15	\$ 10,000
SPED	iPads	15	\$ 10,000
Fine Arts	Auditorium Live Streaming Equip	2 sets	\$ 20,000
FACS	Digital Sewing Machines *	25	\$ 15,000



Smart Schools Preliminary Expenditure Plan

Department	Item	Quantity	Approximate Total Cost
Elementary	Lego Robotics Spike Prime Kits	55 kits	\$ 40,000
Science	Digital Lab Equipment		\$ 25,000



Smart Schools Preliminary Expenditure Plan

Department	Item	Quantity	Approximate Total Cost
Secondary	VR Headsets	12	\$ 10,000
Secondary	Drone Soccer Equip	1 set	\$ 10,000



Preliminary Expenditure Plan Summary

Smart School Allocation	\$ 1,696,747
SG Preliminary SmartSchool Plan	\$ 1,406,500
Mekeel Set Aside	\$ 100,000
Total Smart School Application Amount	\$ 1,506,500

* The remaining ~ \$ 200,000 will be set aside and used in a new application after our three year implementation cycle *



Smart Schools: Next Steps



Smart Schools: Closing Thoughts

- 3 year Smart Schools implementation goal.
 - Meaningful professional development throughout implementation period.
 - Ongoing evaluation of our plan as we implement.
- Curriculum and Instruction - Intentional curriculum mapping & instructional planning to meet NYS Digital Literacy Standards and prepare students to utilize technology in the workforce.
- Sustainability - Collaborate with business office, IT, and admin to maximize and maintain any instructional program created through Smart Schools.

