

Results

Salamanca City Central School District



Demographics:



1,294 students in a rural small city school district located on the Seneca Nation of Indians territory
36% Native American population
71% Economically Disadvantaged
13% special education
Poorest City in New York State (2017)

Results:

Since the adoption of Woz ED in 2018:

- High School Graduation Rate: increased 7% to a 10 year high of 90%
- High School Advanced Diploma Rate: increased 21% to a 10 year high-30%
- Dropout rate has reached an all time low of 0% from a high of 23% in 2016

In a county with dropping enrollment Salamanca has seen an increase of 8% in enrollment.

Advanced Placement courses have increased from zero offerings to 8 offerings, including 6 STEAM-related courses.

College articulated courses have increased to 19, including 12 STEAM related courses.

To support the interest in STEAM, the district has added dedicated support personnel:

- 1 elementary STEAM teacher
- 1 intermediate STEAM teacher
- 1 district STEAM coach
- 1 district STEAM consultant
- 1 high school advanced GIS and computer science teacher

PROGRAM AWARDS



STEM School of Excellence Award, International Technology Engineering Educators Association (2021), international award that recognizes outstanding schools for their commitment to providing a robust STEM education program, based on a rigorous 19 criterion rubric.

Champions of Change Award, New York State School Board Association (2020), state award granted to meritorious programs and projects that exemplify creativity and accomplishment in New York State.

STEM Excellence Award, Future of Educational Technology Conference (2020), national award that recognizes program excellence in STEM, based on a rigorous 18-criterion rubric.

Libraries Moving STEM Award, WNY STEM Hub (2019) - Recognizes libraries or maker spaces that have made a significant impact in promoting technology and STEM.

Contribution to Education Award, New York State Society of Professional Engineers (2019) – Recognizes achievements and contributions in the field of engineering education.

Pathway District Designation, Woz ED K12 (2019) - awarded to school districts with a progressive set of project-based learning experiences that culminate in readiness for entry level jobs in the tech sector upon high school completion.

Schools on the Move-Advanced Award, WNY STEM Hub (2019)
Honors high school programs that score “advanced” on the six components of quality STEM initiatives.

Schools on the Move-Merit Award, WNY STEM Hub (2019) - Honors elementary programs that score “Engaged” on the six components of quality STEM initiatives.

Regional Commendation, Student Spaceflight Experiment Program, State Competition,- Recognized exemplary SSEP experiment proposals.

Creativity Award, First Robotics, International Competition, Quebec City, Canada (2019) - Celebrates creativity in robot design, use of component, or strategy of play.

Sustainability Education Award, WNY STEM Hub (2018) - granted to STEM initiatives designed to promote the furtherance of sustainability programs.



Schools on the Move-Merit Award, WNY STEM Hub (2018) - Honors elementary programs that score “Engaged” on the six components of quality STEM initiatives.

Engineering Award, Phoenix Contact (2018) - granted to programs that provide opportunity for students to practice real-world engineering, project management and team-building skills.

Regional Commendation, Student Spaceflight Experiment Program (2018) - Recognized exemplary SSEP experiment proposals.

Rookie Seed Award, First Robotics, Finger Lakes Regional at RIT (2018) - Celebrates the rookie team exemplifying a young but strong partnership effort, as well as implementing the mission of FIRST to inspire students to learn more about science and technology.

PROGRAM GRANTS

Agricultural Education Incentive Grant (2021) - \$2,700 grant used to purchase Salamanca High School's first commercial inspections drone.

TestOutPro Grant (2020) - \$2,500 Esports education-component grant used to purchase a subscription to a CompTia+ Computer Repair & Networking simulator & test preparation.



Wilson Foundation STEM Grant (2019) - \$100,000 grant used to fund the Salamanca Engineering Maker initiative (SEMI), a K-12 maker program that infuses grade-appropriate coding, robotics and CAD prototype opportunities via pipeline enrichment opportunities.

GE Additive Education Grant (2018) - \$5,000 grant used to purchase Prospect Elementary's first 3D printer & CAD software

PRESS RECOGNITION

(2020, November 11). Earth science students use construction dirt pile for 2d map visualization. Salamanca Press, pp. 1 & 8.

(2020, September 14). Salamanca STEAM program leads by example. WKBW 7

(2020, September 14). Salamanca schools hold hands-on virtual STEAM Camp. The Post Journal, pp. 1 & 8.

(2020, September 13). Salamanca school district offers distance learning hotline during remote learning . The Post Journal, pp. 1 & 8.

(2020, June 5). Salamanca uses gis technology to deliver internet access to students. The Post-Journal, pp. 1 & 8.

(2020, May 15) Salamanca CSD uses unique tech to connect students to internet during pandemic . WIVB 4

(2020, May 1) Salamanca Schools Working To Combat Digital Poverty. Spectrum News

(2020, April 28) Salamanca School District provides internet access to all students during shutdown. WKBW

(2020, April 11). Salamanca school district 3d prints covid-19 masks for area hospitals to fight pandemic. Olean Times Herald, pp. Pages 1 & 12.

(2020, February 10). Salamanca [steam] makes bid for hgtvhometown makeover contest. The Bradford Era, pp. 1 & 5.

(2020, February 8). Salamanca high school earns national recognition for steam. The Post-Journal, pp. 1 & 8.

(2019, December 6). Salamanca school district opens new STEAM wing addition . The Salamanca Press, pp. 1 & 5.



(2019, October 23). Salamanca steam students attend career fair. The Salamanca Press, pp. 1 & 5.

(2019, December 4). Salamanca steam students conduct scientific research. The Post-Journal, pp. 1

(2018, November 22). Salamanca schools awarded \$100k maker grant from Wilson Foundation. Olean Times Herald, pp. Pages 1 & 12.

(2018, February 13). Salamanca schools, JCC continue partnership with new programs. Salamanca Press, pp. Pages 1 & 8.

(2017, October 6) Stepping into the world of STEM, manufacturing. Salamanca Press, pp. 1 & 5.