



PDE Education Update

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PA Training and Technical Assistance Network

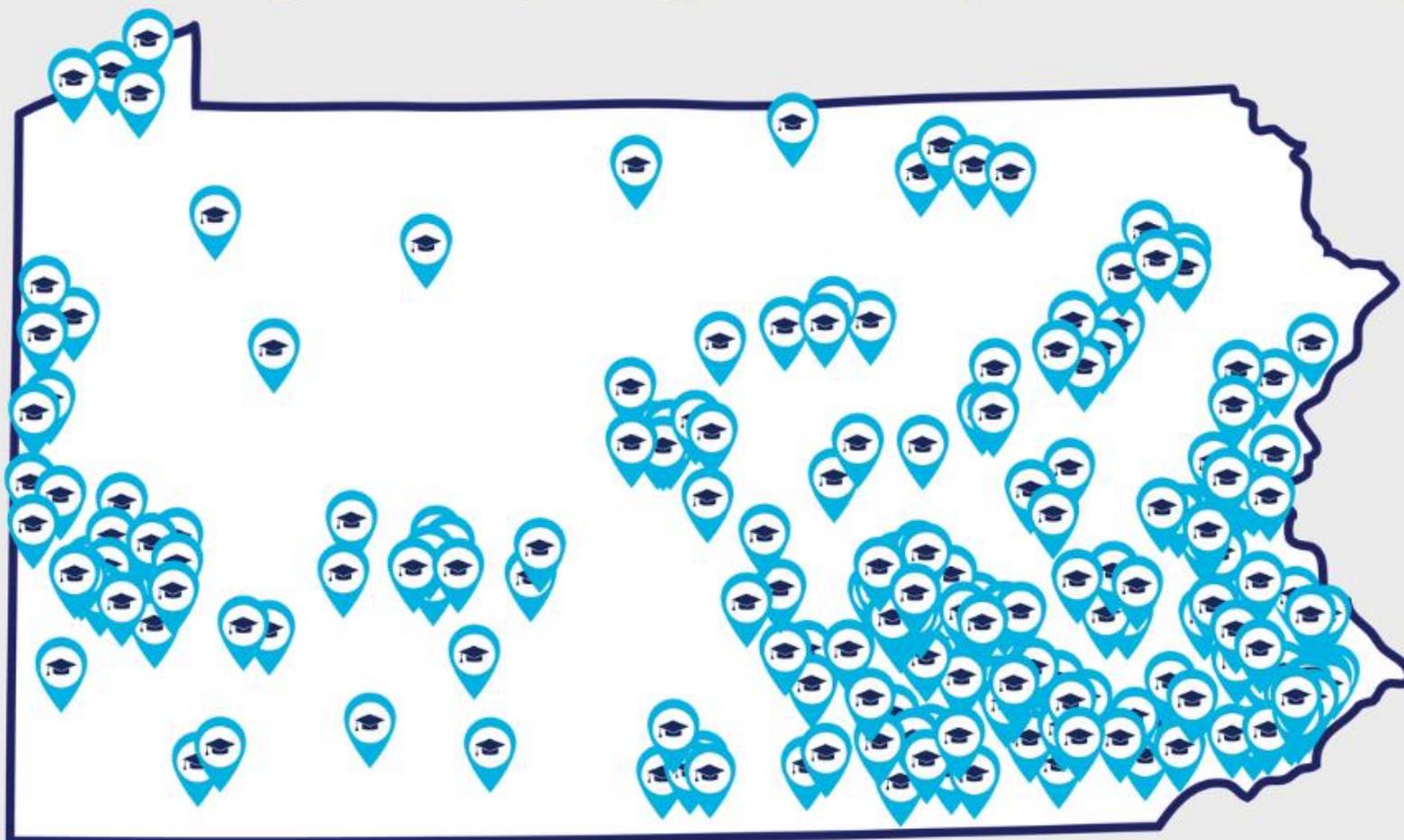
Agenda

- Schools That Teach
- Pennsylvania Education Landscape
- Future Ready PA Index
- STEM and Computer Science Education in PA
- Statewide Workforce Education Accountability Program
- Investing in Pennsylvania's Education Professionals



Governor Wolf's Schools That Teach Tour

The Schools That Teach Tour was created by Governor Tom Wolf to celebrate the incredible teaching and learning taking place in Pennsylvania classrooms every day.



= approximate location visited by senior leaders of the Wolf Administration on the Schools That Teach Tour.

Pennsylvania's Education Landscape

K -12

- School Districts – 500
- Intermediate Units – 29
- Charter Schools – 179
- Career and Technology Centers (CTCs) – 84
- Total K-12 Student Enrollment – 1,719,336 (2017/18)
 - 265,548 students receiving special education services

▶ Pennsylvania's Education Landscape

Postsecondary Opportunities in Pennsylvania

- PA State System of Higher Education – 14
- State-Related Universities – 4
- Public Community Colleges – 14

2016-17 Full-Time Enrollments

- Community Colleges – 81,941
- State Related Universities – 170,461
- PASSHE students – 104,779 (2017)

Future Ready PA Index

What is the Future Ready PA Index?

The Future Ready PA Index is the new school measurement tool for communities to evaluate how schools are doing in preparing students for college, career, and community after graduation.

Why is Pennsylvania adopting the Future Ready PA Index?

Pennsylvanians know that students, and the schools that serve them, are more than just standardized test scores, and wanted a tool for evaluating schools that doesn't rely solely on standardized test results.

In 2015, the state Department of Education started engaging with communities around the state to learn what was important to them and to develop a new measure. As a result, in 2018 Pennsylvania reduced PSSA testing time by 20 percent, and established a new meaningful set of indicators.

Future Ready PA Index

FUTURE READY PA INDEX Find a School

Sample Area School PA

School Performance School Fast Facts District Fast Facts

Select a set of measures to get started

Key for progress measures

State Assessment Measures

- Percent Proficient/Advanced in Mathematics/Algebra I
All Student Group Meets 2030 Statewide Goal
- Percent Proficient/Advanced in English Language Arts/Literature
Did Not Meet 2030 Statewide Goal/Improvement Targets
- Academic Growth Expectations in Mathematics/Algebra I
Meets the Standard
Demonstrating Growth
- Academic Growth Expectations in ELA/Literature
Did Not Meet the Standard
Demonstrating Growth

View All State Assessment Measures

On-Track Measures

- English Language Proficiency
Meets Interim Improvement Target
- Regular Attendance
Meets Performance Standard

View All On-Track Measures

College and Career Measures

- Career Standards Benchmark
Meets Performance Standard
- Four-year Cohort Graduation Rate
Meets Interim Improvement Target

View All College and Career Measures

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Research Glossary of Terms FAQ Contact Us Data Files

State Assessment Measures

- PSSA & Keystone Proficiency
- Annual Growth
- Percent Advanced on PSSA/Keystones

On-Track Measures

- English Language Proficiency
- Regular Attendance
- Grade 3 Reading/Grade 7 Mathematics

College and Career Measures

- Graduation Rate
- Career Standards Benchmark
- Industry-Based Learning
- Percent Advanced on Industry Competency
- Rigorous Courses of Study
- Post-Secondary Transition to School, Military, or Work

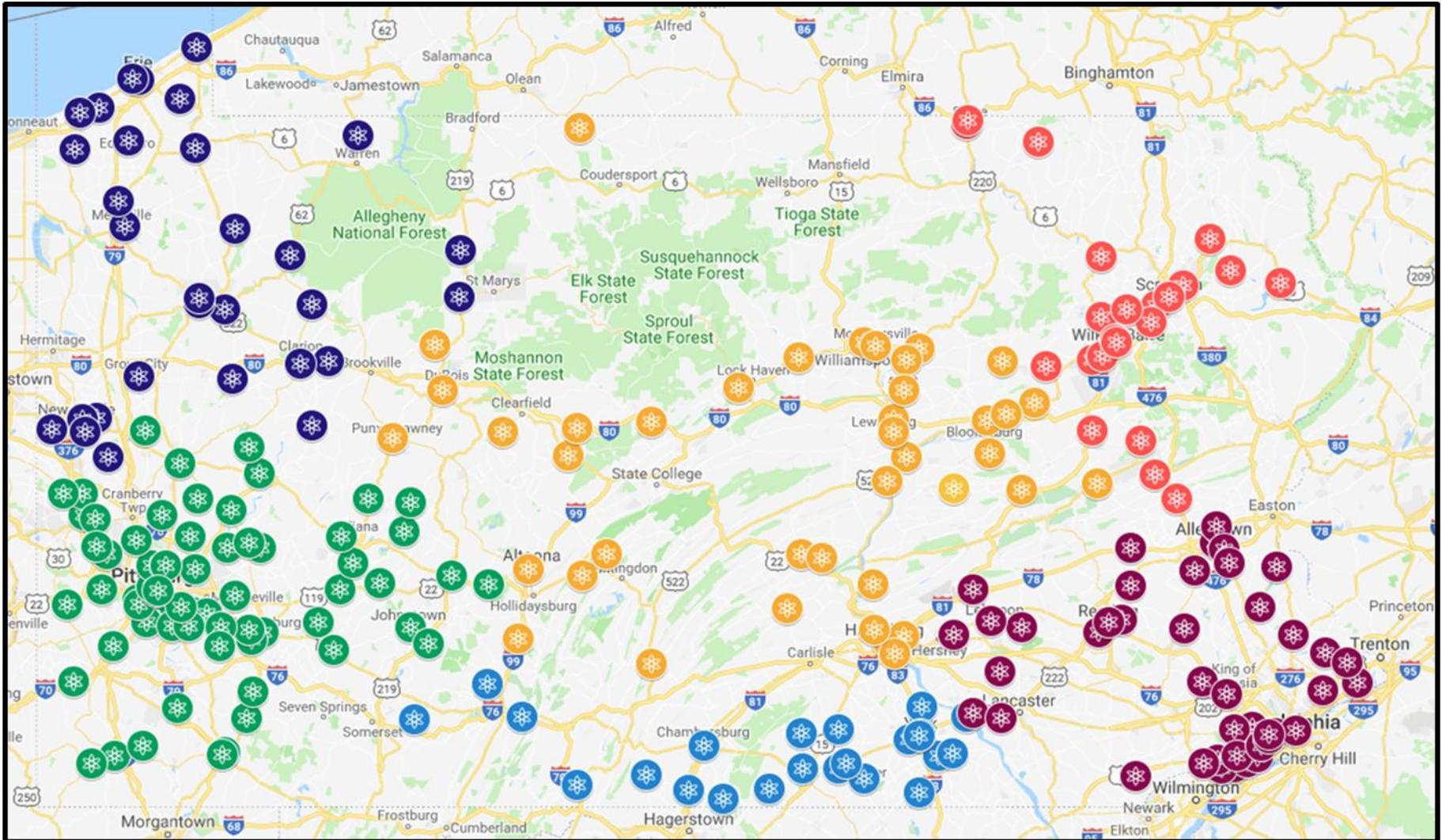
STEM/Computer Science Education in PA

Nearly 300,000 jobs in the commonwealth require skills in science, technology, engineering, and mathematics (STEM), and over the next decade, more than 70 percent of new jobs will require these skills.

Over the past three years, Pennsylvania has established an innovative approach to CS and STEM learning by strengthening STEM experiences for all students, supporting professional development for educators, and forming STEM ecosystems across the commonwealth.

- Established standards for computer science education in all Pennsylvania schools, joining fewer than a dozen states to endorse such standards.
- Advanced Pennsylvania to third in the nation in the number of nationally-recognized STEM ecosystems and made the commonwealth the fifth largest producer of STEM graduates.
- Established PAsmart, a first-of-its-kind \$30 million workforce development initiative that invests \$20 million in computer science and STEM education programs for K-12 students and \$10 million to expand apprenticeships and industry partnerships.

STEM/Computer Science Education in PA



Proliferation of CS through PAsmart Targeted Grants awarded in January 2019.



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Statewide Workforce Education Accountability Program

Statewide Workforce Education Accountability Program (SWEAP)

PAsmart is a component of SWEAP, a comprehensive strategy to prepare Pennsylvania's workforce to compete in the 21st century, global economy.

Other education-based portions of SWEAP are:

- Lowering the compulsory age of school attendance from 8 years old to 6 years old.
- Raising the drop out age from 17 to 18 years old.
- Increasing the base compensation level for the commonwealth's educators.

▶ Investing in PA's Education Professionals

Pennsylvania is facing a steep decline in the number of qualified teachers, particularly in rural and urban school districts and hard-to-staff areas. The decrease in diverse graduates is even higher: African American graduates in education have decreased by 71 percent since 2000, and in 2014, there were only 29 African American male graduates and 20 Latino male graduates in Pennsylvania.

- Since 1996, the number of undergraduate education majors in Pennsylvania has declined by 55 percent, while the number of newly certified teachers has dropped by 63 percent since 2010.
- Nationally, only 18 percent of teachers are persons of color; in Pennsylvania, the figure is just 4 percent, compared with 29 percent of the state's public school enrollment.

▶ Investing in PA's Education Professionals

In response to the need for trained educators and to cultivate a diversified teacher pool, PDE has implemented several strategies aimed at attracting and preparing teachers.

- **Launched Innovative Teacher and Principal Residency Program** - \$2 million in federal funds were awarded in July 2018 to support planning, implementation, and/or expansion of innovative, evidence-based teacher and principal/school leader residency models in Pennsylvania.
- **Update to Chapter 49 certification requirements** – adds cognitive and non-cognitive competencies, such as mental wellness, trauma-informed approaches to instruction, culturally responsive approaches to instruction, and professional ethics.
- **School Leadership Development.** School leadership is often cited as a cause of teacher turnover. PDE has been focused on principal and superintendent development – with an emphasis on equitable leadership. This objectives are centered on the Superintendents Academy and the Pennsylvania Inspired Leadership program for principals.

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The mission of the Department of Education is to ensure that every learner has access to a world-class education system that academically prepares children and adults to succeed as productive citizens. Further, the Department seeks to establish a culture that is committed to improving opportunities throughout the commonwealth by ensuring that technical support, resources, and optimal learning environments are available for all students, whether children or adults.