2018-2019 Annual Service Report

The Pennsylvania Basic Education/Higher Education Science and Technology Partnership

Executive Summary

The Science In Motion program sustained bipartisan support by members of the Pennsylvania General Assembly and was inserted back into the 2018-2019 state budget after recommendation of elimination by the Governor. Science In Motion (SIM) program hosts are very eager to be able to provide hands-on, inquiry-based experiences to the participating schools in their role as the premier high school science education outreach program for the Commonwealth. Financial hardship of program funding over the past several years has forced many of the SIM host sites to reduce service area size, delay service to schools for several months, or completely stop service before the end of the school year. Of the sites that had science education specialists (mobile educators) from the ten-member colleges and universities, Science In Motion staff members presented over 1,460 hands-on laboratory experiences to 282 different schools. The program also provided an additional 6,585 drop-off laboratory kits for short term loan and offered 20 days of professional development workshop opportunities consortium-wide for over 200 teachers. Overall, Science In Motion provided 642 different teachers with 751 different labs creating 182,229 student experiences during the 2018-2019 school year.

What is Science In Motion?

Most Pennsylvania high schools cannot afford the modern, well-maintained equipment that it takes to prepare students for today's modern technological careers in science, engineering and other technical fields. Modern scientific training is especially expensive as it requires multiple sets of equipment so that each student can get a hands-on, inquiry-based experience. This classroom deficiency is compounded by the added need for intensive maintenance and management of equipment and software, training to keep teachers up-to-date on advances in science and technology, and access to relevant, standards-aligned activities that utilize the technology. Additionally, even if an individual school musters the resources to provide an up-to-date lab experience, much of the equipment would sit on the shelf for most of the year as it would be used for only one topic in the breadth of curriculum that must be covered. In 1987, a team of Pennsylvania science teachers, a local college, and the National Science Foundation set out to tackle these problems. They developed a hugely successful shared-resources partnership that is now known nationally as Science In Motion.

Science In Motion (SIM) addresses the needs of science, technology, engineering, and mathematics in the classroom by providing the following support to schools:

- Access to well-maintained, modern, scientific equipment and supplies costing hundreds of thousands of dollars.
- Visiting science education specialists to team-teach high-tech science labs with the school's faculty.
- Professional development workshops to help teachers keep abreast of the latest developments in science and transfer that knowledge into classroom activities and hands-on laboratory experiments.
- Standards-aligned laboratory activities for students.

Science In Motion provides these services through a partnership between the Commonwealth and ten select colleges and universities in Pennsylvania. This shared-resources partnership has several advantages. First, high schools now have access to multiple sets of equipment that they could otherwise never afford. This equipment remains in circulation, shared by a regional cluster of schools rather than sitting on a shelf of a single school most of the time. Teachers in the program say that SIM makes a difference between being well-resourced for teaching science as opposed to not being adequately resourced. Additionally, the host colleges and universities provide not only administrative and grant support, but also modern laboratory space for preparation of experiments, chemical ordering, safety and disposal services, and work study and assistantship opportunities for pre-service teachers. Finally, with colleges and universities as partners, the door is now open for local corporate, foundation and community backing for science education.

The value of the SIM model has been proven in multiple assessments, and its success can also be seen by the spread of SIM throughout much of Pennsylvania, a backlog of requests for establishment of new sites in the Commonwealth, and the adoption of the model in other regions, including a statewide program in Alabama.

Why is Science In Motion important to Pennsylvania's economic future?
As older industries cease to be a source for jobs in the Commonwealth, it is imperative for job creation and sustained economic growth that Pennsylvania has a workforce trained for the new emerging economy in science, technology, engineering, and math. Science In Motion addresses this need by providing hands-on experiences with modern technology to hundreds of thousands of students in the Commonwealth - the same technology required for today's skilled workforce. No other program in the Commonwealth delivers so much state-of-the-art science equipment and supports so many schools at so little cost.

Why is Science In Motion cost-effective?
Through its shared-resources model and partnerships with higher education, SIM is an extremely cost-effective model. By sharing equipment, science expertise, and professional development resources, SIM provides services that no single school could individually afford. For example, a SIM site can thoroughly support one subject area (e.g., chemistry) in at least 10 schools for only $200,000 per year. For a single

school to purchase these services and resources independently, it would cost nearly $80,000 per school. The SIM approach realizes a taxpayer cost savings for each subject of nearly $60,000 per school. The typical SIM center serves more than 10 schools resulting in a savings of at least $595,820 per site to the Commonwealth compared to non-resource-sharing models.

The value of services and resources not charged to the state-awarded budget and thus, not quantified, should not be overlooked. The 10% overhead allowed by the state contracts falls significantly short of the cost of infrastructure provided by the host higher education institutions. This infrastructure, which is provided at the cost of the participating higher education institutions, includes:

- Office and laboratory space
- Access to advanced chemistry and biology research equipment not yet purchased by the outreach program
- Electric, gas, and water utilities
- Deionized/distilled water sources
- Chemical safety, storage, and disposal services
- Shared preparation area equipment including chemical hoods, autoclaves, and dishwashers
- Van parking (at most sites)
- Approved gas tank storage areas
- General clerical and accounting support

It is this infrastructure and the access to higher education science and education faculty expertise that helps make the Pennsylvania Basic Education/Higher Education Science and Technology Partnerships cost-efficient. However, what makes these partnerships most effective in keeping Pennsylvania science curricula current is the constant infusion of new concepts and related activities into high school classrooms through the close relationships formed between teachers at the secondary level and their college/university counterparts who are actively engaged in cutting edge research.

Science In Motion Service Areas

During the 2018-2019 school year, 10 colleges and universities participated in the Science In Motion consortium including; Clarion University, Drexel University, Elizabethtown College, Gettysburg College, Juniata College, Lehigh Carbon Community College, Susquehanna University, Ursinus College, Westminster College, and Wilkes University. All operational sites offered service to participating schools this fiscal year. Most sites were only able to deliver equipment and did not employ mobile educators due to the budgetary constraints. Ursinus, Gettysburg and Juniata were the only institutions that had full time Mobile Educators visiting schools the entire school year; however, Susquehanna had nominal educator visits into the classroom. Subject matter varies among sites and includes, but is not limited to, high school Chemistry, Biology, Physics, and middle school integrated science curricula. Demographics near each site dictate the size of the service area as well as success of obtaining funding beyond state appropriations, which in turn influences the number of individual schools and school districts served per site (Appendix A). The host institution map (Figure 1) indicates the areas of PA covered by each SIM consortium member site. Some sites have been forced to decrease their historical service area

depicted, due to consecutive and multiple funding reductions and delays. Service areas may change on an annual basis.

Figure 1

Science In Motion (SIM) Consortium ten host Institutions geographic locations in the Commonwealth; Clarion University, Drexel University, Elizabethtown College, Gettysburg College, Juniata College, Susquehanna University, Ursinus College, Westminster College, and Wilkes University

Service Report

The SIM Consortium service record for the 2019 school year reveals another decrease in teaching visits (Table 1). Due to the extreme delay in funds received, many sites were unable to open for the school year or permitted to send equipment/mobile educators out to the classrooms either prior to or after receiving initial state appropriation check. Sites that run at full capacity (Gettysburg and Juniata) have had to secure alternative funding to offer the basic program; however, most sites simply do what they can until their financial resources are expended. The total student contacts have increased by approximately over 23,000 from 2018 (Figure 2.) which is due to an increase in equipment loans. The total number of mobile educator teaching visits has hit an all-time low for the SIM Consortium (Figure

3), two host sites made no teaching visits, four sites made 15 or less visits to the classroom and the remaining four host sites visits ranged from 134 to 556. There was an increase in the Equipment loans/delivery services by 379 delivered labs from 2018 to 2019 (Figure 4). This past year the state administration released the funds to the SIM Consortium earlier than ever before and it was very nice to be able to start-up the program knowing the funds would be able to be invoiced early. In the recent past the SIM Consortium higher education host institutions experienced major budget delays, so this past year was a very nice change. It has been increasingly more difficult for the higher education member institutions in the SIM consortium to make business decisions and adequately judge the risk involved with continuing the state partnership and hosting the SIM program at their institutions. This year at the end of the fiscal year Susquehanna University decided to no longer host the program due to demolition of the current building and their inability to provide space for the SIM program. This site will most likely be transferred to Bloomsburg University for the 2019-2020 school year.

Table 1

The Science In Motion Consortium site members combined service records for school years 2008 through 2019.

School Year totals	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Teaching Visits												
Biology	2,090	2,216	1,127	1,576	1,377	1,211	1,080	655	665	669	584	724
Chemistry	1,830	2,001	1,407	1,604	1,108	1,019	900	453	389	393	639	343
Other	1,283	1,204	896	980	593	646	498	601	686	627	369	395
Total teaching visits	5,203	5,421	3,430	4,160	3,078	2,886	2,478	1,709	1,740	1,689	1,592	1,462
Equipment loans	8,271	7,775	6,403	7,984	8,256	7,238	6,298	6,018	5,648	6,046	6,206	6,585
Student contacts	280,224	236,359	188,622	207,380	208,328	214,164	202,931	143,723	137,100	150,929	158,320	182,229
Schools served	337	324	291	294	312	244	231	270	179	221	212	282
Teachers served	715	752	612	768	713	626	624	623	443	478	470	642
Labs taught	1,143	1,286	1,059	1,046	1,050	925	886	858	842	612	759	751
Accelerated students	72,298	18,993	48,010	49,124	46,197	50,043	57,221	29,741	25,711	31,018	40,261	25,740

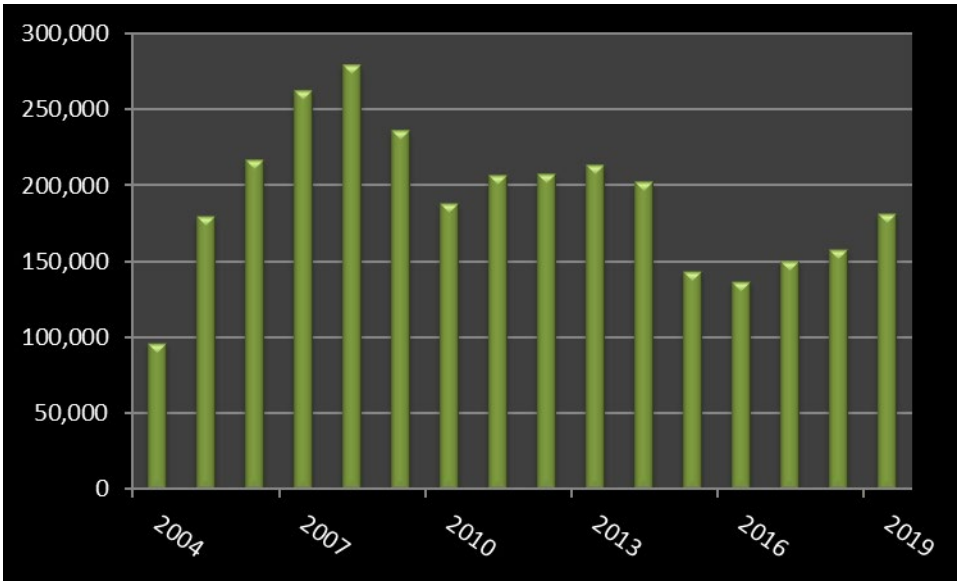

Figure 2

The total number of student contacts by the Science in Motion Consortium from school year 2004 through 2019.

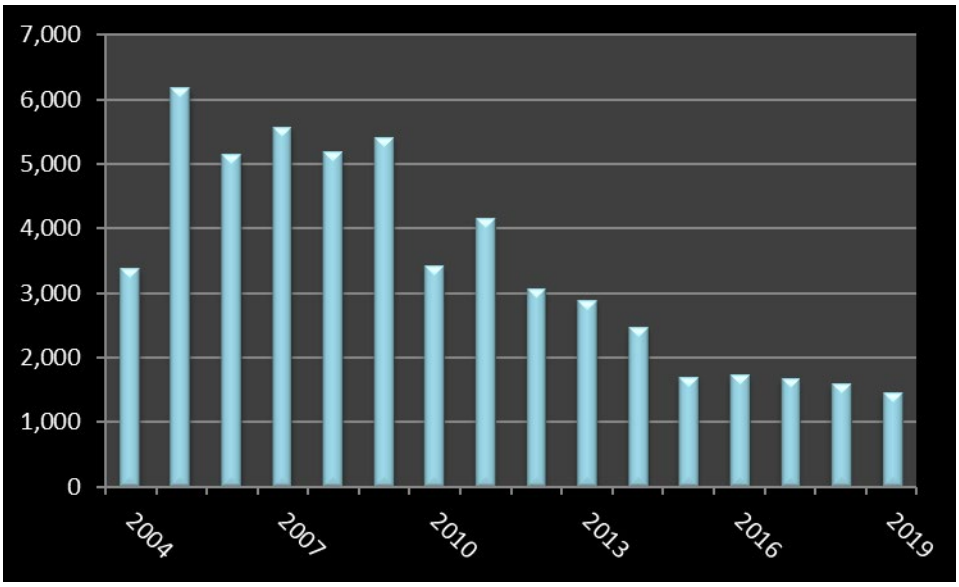

Figure 3

The total number of teaching visits by the Science in Motion Consortium from school year 2004 through 2019.

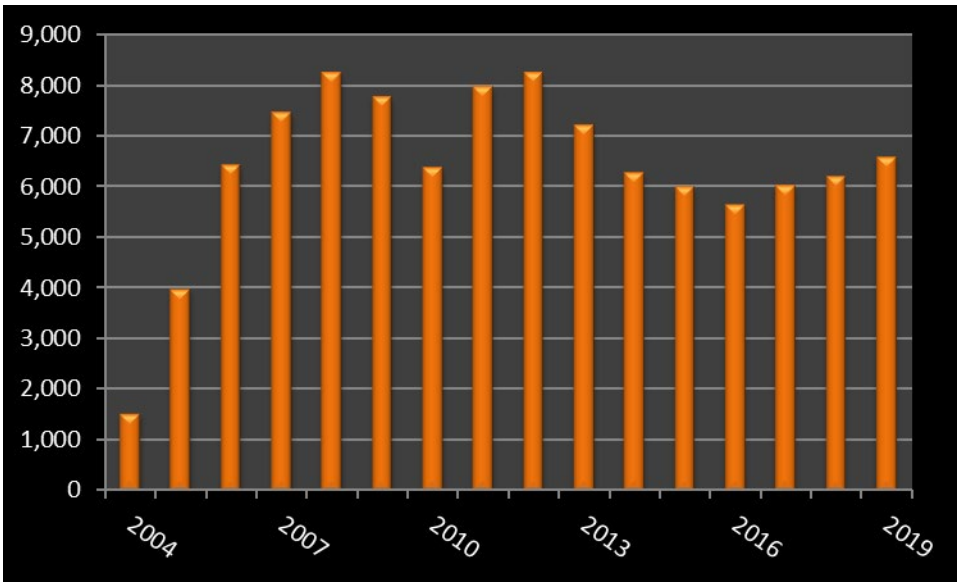

Figure 4
The total number of equipment loans by the Science in Motion Consortium from school year 2004 through 2019.

It has become increasingly difficult for even the established sites to keep their outstanding and experienced mobile educators from accepting other sources of employment due to annual funding uncertainties. Overall, the member institutions would be able to develop a plan and serve more teachers and students if state funding could be reliably anticipated and processed with each funding year. Discovering how much is allocated to the program after a state budget has been passed each year takes over one month. This makes it difficult as a business partner to determine how to budget and staff our service programs and somewhat impossible to begin service to the school at the beginning of the school year. All sites have struggled to maintain a high level of service to their schools despite funding reductions and delays. Other sources of grants, gifts, and donations have allowed some sites to significantly enhance programs beyond the level supported by the state allocation; however, such support is transient and nothing is guaranteed.

Capitol Day is the annual SIM Consortium event to demonstrate to state leaders the importance of science in education and, more specifically, the importance of the Science In Motion program; and provides the opportunity to showcase state-of-the art science equipment and different hands-on laboratories in the Capitol Rotunda. We were pleased to have funds to visit our state Capitol building and display our program's structure and function to the state legislators and general public during the event this year. We had seven SIM sites represented and the event was more so attended by the legislators than in the past. The SIM Consortium is contractually obligated through PDE to offer and coordinate employee educator workshops throughout each fiscal year. Traditionally, there have been two workshops hosted by JC; the sharing workshop (fall semester) and the curriculum workshop (spring semester). For many years, these workshops have not been possible due to the tardiness of state funds. We were able to offer two Consortium workshops in 2018-19 SIM; since funds came in a reasonable

amount of time. SIM Host institution Lehigh Carbon Community College offered a teacher workshop and also opened it to SIM Mobile educators using SIM equipment to perform a variety of available experiments. Wilkes University also hosted a SIM workshop on the Next Generation Science Standards (NGSS). Debbie French from Wilkes University did an overview and hands-on training on how to convert SIM labs to NGSS format. The host institutions' SIM staff were also able to participate in other professional development experiences of their choice that were reimbursed by the SIM Consortium funds throughout the year. We had SIM directors and Mobile educators attend; STEMATHON 2018, Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy (Pittcon) and the Pennsylvania Science Teacher Association (PSTA) STEM conference. The delay in funding prohibits many of the SIM sites from opening in the fall, our over-arching goal is to change that for future funding. The SIM staff members also reported being involved and helping out 30 individual students with supplies, materials and equipment loans for science fairs and special science events such as; STEM Envirothon, PA Junior Academy of Science and Agricultural Extension events and Science Olympiad. Many staff members also served as judges for science experiment fairs.

Science In Motion Consortium sites receive more requests for school service than their sites are able to provide with the current funding allocation. The Science In Motion programs hosted by the higher education institutional sites have struggled financially, and although we are very appreciative of the funds we have been awarded each year from state appropriations, they are not enough to offer a whole-hearted program. Science in Motion services are greatly cherished and needed by the school systems, teachers, and students that participate in the program. Many school participants have seen their service diminish and, in some cases, end over the past five years. We are a unique and valued program, which cost-shares modern scientific equipment and expertise effectively among the schools we are able to serve. No other program in the Commonwealth delivers so much state-of-the-art science equipment and supports so many schools at so little cost.

Appendix A

School Districts and individual schools served during the 2018-2019 school year by each active site of the Science In Motion Consortium (10 total in alphabetical order).

Clarion University	
School Districts and Private School Systems (10)	**Individual Schools (11)**
Armstrong Area School District	Armstrong Jr/Sr High School
	West Shamokin High School
Brookville Area School District	Brookville Jr/Sr High School
Clarion Area School District	Clarion Area Jr/Sr High School
Diocese of Erie	Venango Catholic High School
Dubois Area School District	DuBois Area High School
Forest Area School District	East Forest Jr/Sr High School
Franklin Area School District	Franklin Middle School
Keystone School District	Keystone Jr/Sr High School
Oil City School District	Oil City Jr/Sr High School
Valley Grove School District	Rocky Grove Jr/Sr High School

Drexel University	
School Districts and Private School Systems (1)	**Individual Schools (12)**
School District of Philadelphia	Abraham Lincoln High School
	CCA Baldi Middle School
	Frankford High School
	George Washington High School
	Julia R. Masterman High School
	Kohelet Yeshiva High School
	Northeast High School
	Philadelphia Military Academy at Elverson
	Samuel Fels High School
	Thomas A. Edison High School
	West Philadelphia High School
	William Penn Charter School

Elizabethtown College	
School Districts & Private School Systems (44)	**Individual Schools (50)**
Big Spring School District	Big Spring High School
Camp Hill School District	Camp Hill High School
Carlisle Area School District	Carlisle High School
Central Dauphin School District	Central Dauphin East High School
Central Dauphin High School	
Central York School District	Central York High School
Cocalico School District	Cocalico High School
Columbia Borough School District	Columbia High School
Conestoga Valley School District	Conestoga Valley High
Conrad Weiser School District	Conrad Weiser High School
Corwell-Lebanon School District	Cedar Crest High/Middle School
Cumberland Valley School District	Cumberland Valley High School
Donegal School District	Donegal High School
Dover Area School District	Dover Area High School
East Pennsboro School District	East Pennsboro High School
Eastern Lebanon County School District	ELCO High School
Eastern Lancaster County School District	Garden Spot High School
Eastern York School District	Eastern York High School
Elizabethtown Area School District	Elizabethtown High school
	Elizabethtown Middle School
Ephrata School District	Ephrata High School
Halifax Area School District	Halifax High School
Hempfield School District	Hempfield High School
Kennard Dale School District	Kennard Dale High School
School District of Lancaster	J.P McCaskey High School
	McCaskey East High School
	Lincoln Middle School
Lancaster Catholic School	Lancaster Catholic High School
Lancaster Mennonite School	Lancaster Mennonite High School
Lower Dauphin School District	Lower Dauphin High School
Manheim Central School District	Manheim Central High School
Manheim Township School District	Manheim Township High School
Northern York School District	Northern High School
Middletown Area School District	Middletown Area High School
Muhlenberg School District	Muhlenberg Middle School
	Muhlenberg High School
Penn Manor School District:	Penn Manor High School
Elizabethtown College continued on next page	

Elizabethtown College continued on prior page	
Pequea Valley School District	Pequea Valley High School
Red Lion Area School District	Red Lion High School
Solanco School District	Solanco High School
South Middleton School District	Boiling Springs High School
South Western School District	South Western High School
Southern York County School District	Susquehannock High School
Spring Grove Area School District	Spring Grove Area High School
St. Anne School	St. Anne High School
Stone Independent School	Stone Independent High School
Susquenita School District	Susquenita High School
West Shore School District	Red Land High School
	Cedar Cliff High School
West York Area School District	West York Area High School

Gettysburg College	
School Districts and Private School Systems (23)	**Individual Schools (42)**
Bermudian Springs School District	Bermudian Springs High School
Camp Hill School District	Camp Hill High School
Carlisle Area School District	Wilson Middle School
Chambersburg Area School District	Chambersburg Area Middle School North
	Chambersburg Area Middle School South
	Chambersburg Area Senior High School
	Lurgan Elementary
Conewago Valley School District	Conewago Valley Intermediate School
	New Oxford Middle School
Multi-County Career and Technology Center (CTC)	Dauphin County Technical School
Diocese of Harrisburg	Delone Catholic High School
	St. Francis Xavier School
	St Theresa of Calcutta
	St Rose of Lima
Fairfield Area School District	Fairfield Area Middle School
Gettysburg Area School District	Gettysburg Area High School
	Gettysburg Area Middle School
	James Getty Elementary School
	Lincoln Elementary School
	Vida Charter School
Greencastle-Antrim School District	Greencastle-Antrim High School
	Greencastle-Antrim Middle School
Gettysburg College continued on next page	

Gettysburg College continued on prior page	
Hanover Public School District	Hanover High School
	Hanover Middle School
Littlestown School District	Alloway Creek Intermediate School
Lower Dauphin School District	Lower Dauphin High School
Mechanicsburg School District	Mechanicsburg Area Middle School
Northern York School District	Northern High School
Private	Harrisburg Christian School
Spring Grove Area School District	Spring Grove Area Middle School
Susquehanna Twp. School District	Susquehanna Twp. Middle School
	Susquehanna Twp. High School
Tuscarora School District	James Buchannan Middle School
Upper Adams School District	Arendtsville Elementary School
	Bendersville Elementary
	Biglerville High School
	Upper Adams Middle School
Upper Dauphin Area School District	Upper Dauphin Area High School
Waynesboro School District	Waynesboro High School
York City School District	Edgar Fahs STEAM Academy K-8
	Davis K-8 Elementary School
York Suburban School District	York Suburban High School

Juniata College	
School Districts and Private School Systems (16)	**Individual Schools (23)**
Bellefonte Area School District	Bellefonte Area Middle School
	Bellefonte Area High School
Belleville Mennonite School	Belleville Mennonite School
Calvary Christian Academy	Calvary Christian Academy
Diocese of Altoona-Johnstown	Bishop Guilfoyle Catholic High School
Forbes Road School District	Forbes Road Jr/Sr High School
Grier School	Grier School
Hollidaysburg Area School District	Hollidaysburg Area Senior High School
	Hollidaysburg Area Junior High School
Huntingdon Area School District	Huntingdon Area High School
	Huntingdon Area Middle School
Juniata Valley School District	Juniata Valley Jr/Sr High School
Mifflin County School District	Mifflin County High School
	Mifflin County Junior High School
	Mifflin County Middle School
Mount Union Area School District	Mount Union Area Jr/Sr High School
Juniata College continued on next page	

Juniata College continued on prior page	
Northern Bedford County School District	Northern Bedford County High School
Southern Huntingdon County School District	Southern Huntingdon High/Middle School
Spring Cove School District	Central High School
	Spring Cove Middle School
Tyrone Area School District	Tyrone Area High School
	Tyrone Area Middle School
Williamsburg Community School District	Williamsburg Jr/Sr High School

Lehigh Carbon Community College	
School Districts and Private School Systems (12)	**Individual Schools (8)**
Allentown School District	Dieruff High School
	William Allen High School
	Building 21 High School
	South Mountain Middle School
Allentown Central Catholic High School	Allentown Central Catholic High School
Carbon County School Districts	Carbon County Technical Institute
East Penn School District	Emmaus High School
Nazareth School District	Lehigh Learning Center
Panther Valley School District	Panther Valley High School
	Panther Valley Intermediate School
Parkland School District	Parkland High School
Salisbury School District	Salisbury High School
	Salisbury Middle School
Tamauqua School District	Tamauqua High School
Tri-Valley School District	Tri-Valley High School
Whitehall-Coplay School District	Whitehall-Coplay Middle School
	Whitehall-Coplay High School

Susquehanna University	
School Districts and Private School Systems (27)	**Individual Schools (30)**
Bloomsburg Christian School	Bloomsburg Christian School
Central Columbia School District	Central Columbia Middle School
	Central Columbia High School
Danville Area School District	Liberty Valley Intermediate
	Danville High School
East Juniata School District	East Juniata High School
East Lycoming School District	Hughesville High School
Greenwood School District	Greenwood High School
Susquehanna University continued on next page	

Susquehanna University continued on prior page	
Juniata County School District	East Juniata High School
	Juniata High School
Keystone Central School District	Central Mountain High School
Lewisburg Area School District	Lewisburg Area High School
Line Mountain School District	Line Mountain High School
Loyalsock Township School District	Loyalsock Township High School
Midd-West School District	Midd-West High School
Millville Area School District	Millville High School
Mifflinburg Area School District	Mifflinburg Area High School
Milton Area School District	Milton High School
Montoursville Area School District	Montoursville Area High School
Mount Carmel Area School District	Mount Carmel Area High School
Muncy School District	Muncy High School
North Schuylkill School District	North Schuylkill High School
Selinsgrove Area School District	Selinsgrove Area High School
Shamokin Area School District	Shamokin High School
Shikellamy School District	Shikellamy High School
Sunbury Christian Academy	Sunbury Christian Academy
Tri-Valley School District	Tri-Valley High School
Warrior Run School District	Warrior Run High School
West Perry School District	West Perry High School
Williamsport Area School District	Williamsport Area High School

Ursinus College	
School Districts and Private School Systems (13)	**Individual Schools (19)**
Boyertown Area School District	Boyertown Area Senior High School
	New Hanover Upper Frederick Elem School
Colonial School District	Plymouth Whitemarsh High School
	Colonial Middle School
Downingtown Area School District	Downingtown High School East
	Downingtown Middle School
Great Valley School District	Great Valley High School
Methacton Area School District	Methacton High School
	Arcola Intermediate School
Norristown Area School District	Norristown Area High School
	Roosevelt High School
North Penn School District	North Penn High School
Owen J. Roberts School District	Owen J. Roberts High School
	Owen J. Roberts Middle School
Ursinus College continued on next page	

Ursinus College continued on prior page	
Pennridge School District	Pennridge High School
Perkiomen Valley School District	Perkiomen Valley High School
	Perkiomen Valley Middle School East
Souderton Area School District	Indian Valley Middle School
	Souderton High School
Spring-Ford Area School District	Spring-Ford 5/6th Grade Center
	Spring-Ford 7/8th Grade Center
	Spring-Ford 9th Grade Center
	Spring-Ford Senior High School
Twin Valley School District	Twin Valley Middle School
	Twin Valley High School
Upper Dublin School District	Upper Dublin High School

Westminster College	
School Districts and Private School Systems (23)	**Individual Schools (36)**
Butler School District	Butler Jr/Sr High School
	Center Township Elementary School
Erie Diocese	Kennedy Catholic High School
Farrell Area School District	Farrell High School
Grove City Area School District	Grove City Senior High School
	Hillview Intermediate Center
Grove City Christian Academy	Grove City Christian Academy
Hermitage School District	Delahunty Middle School
	Hickory High School
Jamestown Area School District	Jamestown Elementary School
	Jamestown Jr/Sr High School
Lakeview School District	Lakeview High School
Laurel School District	Laurel Jr/Sr High School
Mercer Area School District	Mercer Middle-High School
Mohawk Area School District	Mohawk Elementary School
	Mohawk High School
Neshannock Township School District	Memorial Elementary School
	Neshannock Jr/Sr High School
New Castle Christian Academy	New Castle Christian Academy
New Castle Area School District	New Castle Jr/ Sr High School
Penncrest School District	Maplewood Middle-High School
Pine Richland School District	Pine Richland High School
	Reynolds Elementary School
Westminster College continued on next page	

Westminster College continued on prior page	
Seneca Valley School District	Seneca Valley Intermediate High School
	Seneca Valley Senior High School
Sharon School District	Sharon High School
	Case Elementary
	Musser Elementary
Slippery Rock Area School District	Slippery Rock High School
Union Area School District	Union Memorial Elementary School
West Middlesex Area School District	Oakview Elementary School
Wilmington Area School District	Pulaski Elementary
	New Wilmington Area Elementary
	Wilmington Area High School
	Wilmington Area Middle School

Wilkes University	
School Districts and Private School Systems (27)	**Individual Schools (35)**
Abington Heights School District	Abington Heights High School
Blue Mountain School District	Blue Mountain High School
Carbondale School District	Carbondale Area Jr/Sr High School
Crestwood School District	Crestwood Secondary Campus
Dallas School District	Dallas High School
Diocese of Scranton	Holy Cross High School
	Holy Rosary Elementary School
Forest City Regional School District	Forest City Regional High School
Greater Nanticoke Area School District	Greater Nanticoke Area High School
	Greater Nanticoke Area Middle School
Hanover Area School District	Hanover Area Jr/Sr High School
Hazleton Area School District	Hazleton Area High School
	Hazleton STEM School
	Valley Elementary/Middle School
Lake-Lehman School District	Lake-Lehman Jr/Sr High School
Lakeland School District	Lakeland Jr/Sr High School
Mid Valley School District	Mid Valley Secondary Center
Northwest Area School District	Northwest Area Jr/Sr High School
Old Forge School District	Old Forge Jr./Sr. High School
Pittston Area School District	Pittston Area High School
Pocono Mountain School District	Pocono Mountain East High School
Towanda Area School District	Towanda Jr/Sr High School
Tri-Valley School District	Tri-Valley Jr/Sr High School
Wilkes University continued on next page	

Wilkes University continued on prior page	
Tunkhannock Area School District	Tunkhannock High School
Wallenpaupack Area School District	Wallenpaupack High School
Wayne Highlands School District	Honesdale High School
Weatherly Area School District	Weatherly Area Middle School
Western Wayne School District	Western Wayne High School
Wilkes-Barre Area School District	Coughlin High School
	Mackin High School
	Meyers Jr /Sr High School
	Dr. Kistler Elementary School
Wyoming Area School District	Wyoming Area Jr./Sr. High School
Wyoming Valley West School District	Chester St. Middle School
	Wyoming Valley West High School