

Millersburg Area School District

State of the District Address “Implementation”

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Implementation - Definition

Im·ple·men·ta·tion

- impləmən 'tāSH(ə)n
- *Noun*
- **The process of putting a decision or plan into effect; execution.**

Source: Dictionary.com: Implementation

District-Level Planning "Transformation" 2017-2018

- Development of Scope & Sequence of Career Pathways
- Development of a 3-year Instructional Technology Plan
- Selection of a PA Academic & Core Standards aligned K-5 Math Curriculum
- Development of a Cooperative Sports framework with Upper Dauphin Area
- Development of the district's 6-year Comprehensive Plan

District-Level Planning "Implementation" 2018-2019

- Year 1 implementation of four Career Pathways at the high school
- Year 1 implementation of Instructional Technology plan focused on integrating STEAM concepts across all content areas
- Year 1 implementation of Ready Math's K-5 Math Curriculum
- Preparation for year 1 implementation of the board-approved Cooperative Sports framework with Upper Dauphin Area
- Year 1 implementation of Act 44 – Safe 2 Say Something (S2SS)
- Year 1 implementation of PDE-approved Comprehensive Plan

Comprehensive Plan Goals

2019-2024

1. Improve the academic achievement of our students by aligning district curriculum, programs, and materials to the appropriate PA Academic & Core Standards.
2. Increase the rigor of district programs by implementing revised sequences of core courses that allow our students to excel in the area of their choosing.
3. Better prepare our students for the workplace by implementing a set of organized career pathways.
4. Incorporate STEAM (Science, Technology, Engineering, Arts, & Mathematics) and 21st Century skills throughout the curriculum at all levels.

Comprehensive Plan

Goal One

**Improve the academic achievement of our students
by aligning all curriculum, programs, and
materials to the appropriate PA Academic and
Core Standards.**

English/Language Arts Sequences

<u>Sequence</u>	<u>Grade K</u>	<u>Grade 1</u>	<u>Grade 2</u>	<u>Grade 3</u>	<u>Grade 4</u>	<u>Grade 5</u>	<u>Grade 6</u>	<u>Grade 7</u>	<u>Grade 8</u>	<u>Grade 9</u>	<u>Grade 10</u>	<u>Grade 11</u>	<u>Grade 12</u>
Honors Sequence	Grade K Lang. Arts	Grade 1 Lang. Arts	Grade 2 Lang. Arts	Grade 3 Lang. Arts	Grade 4 Lang. Arts	Grade 5 Lang. Arts	Grade 6 Lang. Arts	Grade 7 Lang. Arts	Grade 8 Lang. Arts	Honors English 9	Honors English 10	Honors English 11	Advanced Placement Literature and Composition
Traditional Sequence	Grade K Lang. Arts	Grade 1 Lang. Arts	Grade 2 Lang. Arts	Grade 3 Lang. Arts	Grade 4 Lang. Arts	Grade 5 Lang. Arts	Grade 6 Lang. Arts	Grade 7 Lang. Arts	Grade 8 Lang. Arts	English 9	English 10	English 11	English 12
Electives	No Electives Available										Public Speaking	Public Speaking	Public Speaking
											Creative Writing	Creative Writing	Creative Writing
											Greek Mythology	Greek Mythology	Greek Mythology
												Yearbook	Yearbook

* All Advanced Placement courses are weighted at 1.10

* All Honors courses are weighted at 1.05

* All electives are semester courses with the exception of Yearbook

Mathematics Sequences

<u>Sequence</u>	<u>Grade K</u>	<u>Grade 1</u>	<u>Grade 2</u>	<u>Grade 3</u>	<u>Grade 4</u>	<u>Grade 5</u>	<u>Grade 6</u>	<u>Grade 7</u>	<u>Grade 8</u>	<u>Grade 9</u>	<u>Grade 10</u>	<u>Grade 11</u>	<u>Grade 12</u>		
Honors Sequence	Grade K Math	Grade 1 Math	Grade 2 Math	Grade 3 Math	Grade 4 Math	Grade 5 Math	Advanced Grade 6 Math	Pre-Algebra	Algebra I	Honors Geometry	Honors Algebra II	Honors Pre-Calculus	Advanced Placement Calculus (AB)		
Traditional Sequence	Grade K Math	Grade 1 Math	Grade 2 Math	Grade 3 Math	Grade 4 Math	Grade 5 Math	Grade 6 Math	Grade 7 Math	Pre-Algebra	Algebra I	Geometry	Algebra II	Math Elective		
Paced Sequence	Grade K Math	Grade 1 Math	Grade 2 Math	Grade 3 Math	Grade 4 Math	Grade 5 Math	Grade 6 Math	Grade 7 Math	Grade 8 Math	Pre-Algebra	Algebra I (Part A)	Algebra I (Part B)	Geometry		
Electives	No Electives Available											Statistics		Statistics	
												Trigonometry		Trigonometry	
												SED	SEF	SED	SEF

* All Advanced Placement courses are weighted at 1.10

* All Honors courses are weighted at 1.05

* The STEM elective courses are semester courses. Both courses can be taken for elective or mathematics credit.

* Algebra 2 is a pre-requisite for the Statistics, Trigonometry, and STEM courses.

Science Sequences

Sequence	Grade K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
Honors Sequence	Grade K Science	Grade 1 Science	Grade 2 Science	Grade 3 Science	Grade 4 Science	Grade 5 Science	Grade 6 Science	Grade 7 Science	Grade 8 Science	Honors Environ. Science	Honors Biology	Honors Chemistry	Advanced Placement (TBD)
Traditional Sequence	Grade K Science	Grade 1 Science	Grade 2 Science	Grade 3 Science	Grade 4 Science	Grade 5 Science	Grade 6 Science	Grade 7 Science	Grade 8 Science	Environ. Science	Biology	Chemistry	Science Elective
Paced Sequence	Grade K Science	Grade 1 Science	Grade 2 Science	Grade 3 Science	Grade 4 Science	Grade 5 Science	Grade 6 Science	Grade 7 Science	Grade 8 Science	Environ. Science	Biology	Practical Chemistry	Science Elective
Electives	No Electives Available										Astronomy	Astronomy	Astronomy
											Earth Science	Earth Science	Earth Science
												Bio-Tech.	Bio-Tech.
												Anatomy	Anatomy
													Physics
			Organic Chemistry										

- * All Advanced Placement courses are weighted at 1.10
- * All Honors courses are weighted at 1.05
- * All electives are semester courses with the exceptions of Biotechnology, Physics and Organic Chemistry
- * Algebra 2 is a prerequisite for Honors Chemistry
- * Geometry is a prerequisite for Chemistry

Social Studies Sequences

Sequence	Grade K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
Honors Sequence	Grade K Social Studies	Grade 1 Social Studies	Grade 2 Social Studies	Grade 3 Social Studies	Grade 4 Social Studies	Grade 5 Social Studies	Grade 6 Social Studies	Grade 7 Social Studies	Grade 8 Social Studies	Honors Civics and Government	Honors 20th Century American History	Honors World History	Advanced Placement (TBD)
Traditional Sequence	Grade K Social Studies	Grade 1 Social Studies	Grade 2 Social Studies	Grade 3 Social Studies	Grade 4 Social Studies	Grade 5 Social Studies	Grade 6 Social Studies	Grade 7 Social Studies	Grade 8 Social Studies	Civics and Government	20th Century American History	World History	Economics or Consumer Economics
Electives	No Electives Available									US Geography	US Geography	US Geography	US Geography
										PA Legislative System	PA Legislative System	PA Legislative System	PA Legislative System
										American History Through Film	American History Through Film	American History Through Film	American History Through Film
										Psychology	Psychology	Psychology	Psychology
										Sociology	Sociology	Sociology	Sociology
											WW II and Holocaust	WW II and Holocaust	WW II and Holocaust
											Modern History	Modern History	Modern History
											Contemporary Global Issues	Contemporary Global Issues	Contemporary Global Issues

* All Advanced Placement courses are weighted at 1.10

* All Honors courses are weighted at 1.05

* All electives are semester courses

Comprehensive Plan

Goal Two

Increase the rigor of our programs by implementing revised sequences of core courses that allow our students to excel in the areas of their choosing.

Comprehensive Plan

Goal Three

Better prepare our students for the workplace by implementing a set of organized career pathways.

Career Pathways Available to Incoming Freshmen:

Construction and Design

	Grade 9	Grade 10	Grade 11	Grade 12
Semester One	Intro. to Careers In Arch. & Const. *	Basic Architectural Drafting	Welding	School to Work
Semester Two	Introduction to Basic Construction	Adv. Architectural Drafting	STEM Engineering and Fabrication	Optional Career Experience

Computer Technologies

Semester One	Fundamentals of Computer Systems *	Fundamentals of Programming *	Web Page Design	School to Work
Semester Two	Network System Design *	Fundamentals of Digital Media *	Intro. to Technology Support and Services *	Optional Career Experience

Business and Finance

Semester One	Introduction to Business	Business and Personal Finance	Accounting	School to Work
Semester Two	Introduction to Careers In Finance *	Marketing and Business Law	Entrepreneurship	Optional Career Experience

Health/Human Services

Semester One	Introduction to Careers in Health Sciences *	Psychology	Health Sciences 2 *	School to Work
Semester Two	Introduction to Human Services *	Health Sciences 1 *	Nursing *	Optional Career Experience

Diversified Occupations

Semester One	Elective	Elective	Elective	School to Work
Semester Two	Elective	Elective	Elective	Optional Career Experience

“Afternoon” Agriculture (UDA)

Semester One	Introduction to Ag. And Natural resources	Level II Ag. Elective	Level III Ag. Elective	Level III Ag. Elective
Semester Two	Level II Ag. Elective	Level II Ag. Elective	Level III Ag. Elective	Supervised Ag. Experience

Dauphin County Technical School (see website for program offerings)

Comprehensive Plan

Goal Four

The Millersburg Area School District will incorporate STEAM (Science, Technology, Engineering, Art, and Mathematics) and 21st Century skills throughout its curriculum at all levels.

Goal Four Implementation Plan 2018-2019

- Utilize a technology cadre of teachers to advise/lead the district.
 - Gabriel Foust, Ted Book, Lynn Mangle, Bonnie Schadel, Lindsey Pukas, Jessica Miller
 - Plan 2 dedicated In-Service Days (November 19th and February 15th)
 - Attend one PD Opportunity (TinkerExpo)
 - Begin pilot program of digital badging/micro credential to individualize future PD.
- Increase Staff Knowledge with pervasive professional development.
 - Two dedicated in-service days (November 19th and February 15th) planned by the cadre, which will utilize CAIU and in-house facilitators to provide STEAM and 21st Century Skills training sessions.
 - Eric Petery and CAIU Coach (budgeted 15 full days) will function as coaches for assistance and accountability.
 - Following the February in-service, all teachers will choose two options from the in-service days and incorporate them into at least two lessons.
- Established replacement cycle for end-user hardware.
- Annual line item in the budget for STEAM as directed by the cadre.

2018-2019 End User Device Replacement

Budgeted		Expended (2/13/19)	
25 Faculty and Staff Computers	\$37,500	39 Faculty and Staff Computers	\$37,449.67
15 Interactive Projectors and Whiteboards	\$30,000	15 Interactive Projectors and Whiteboards	\$27,101.00
Computer Lab Memory	\$8,000	STEAM (21st Century Skills)	\$0
30 iPads	\$12,000	30 iPads	\$9,868.50
STEAM (21st Century Skills)	\$12,500	STEAM Training/PD	\$12,500
Total	\$100,000	Total	\$86,919.17

Goal Four Implementation Plan 2019-2020

- Utilize a technology cadre of teachers to advise/lead the district.
 - Plan 1 dedicated In-Service Day (Fall)**
 - Attend one PD Opportunity (TBD)
 - Continue developing digital badging/micro credentialing to individualize future PD.
 - Cadre teachers serve as model classrooms for peers.
- Increase Staff Knowledge with pervasive professional development.
 - One dedicated in-service days** (Fall) planned by the cadre, which will utilize CAIU and in-house facilitators to provide STEAM and 21st Century Skills training sessions.
 - Eric Petery and CAIU Coach (**budgeted 10 full days**) will function as coaches for assistance and accountability.
 - All teachers will incorporate **four** activities from the in-service days and incorporate them into at least **four** lessons.
- Established replacement cycle for end-user hardware.
- Annual line item in the budget for STEAM as directed by the cadre.

2019-2020 End User Device Replacement

Budgeted		Expended	
32 Faculty and Staff Computers	\$48,000	32 Faculty and Staff Computers	\$0
130 Chromebooks (2 Grade Levels)	\$35,000	130 Chromebooks (2 Grade Levels)	\$0
30 iPads	\$12,000	30 iPads	\$0
STEAM (21st Century Skills)	\$15,000	STEAM (21st Century Skills)	\$0
Total	\$110,000	Total	\$0

Goal Four Implementation Plan 2020-2021

- Utilize a technology cadre of teachers to advise/lead the district.
 - **Lead implementation of individualized professional development through digital badging/micro-credentialing**
 - Attend one PD Opportunity (TBD)
 - Cadre teachers serve as model classrooms for peers.
- Increase Staff Knowledge with pervasive professional development.
 - **Teachers will complete at least two digital badges** associated with their individualized professional development plan.
 - All teachers will incorporate **six** STEAM and 21st Century Skill activities into at least **six** lessons.
 - Eric Petery and CAIU Coach (**5 full days budgeted**) will function as coaches for assistance and accountability.
- Established replacement cycle for end-user hardware
- Annual line item in the budget for STEAM as directed by the cadre.

2020-2021 End User Device Replacement

Budgeted		Expended	
130 Chromebooks (2 Grade Levels)	\$35,000	130 Chromebooks (2 Grade Levels)	\$0
2 HS Computer Labs	\$50,000	2 HS Computer Labs	\$0
30 iPads	\$12,000	30 iPads	\$0
STEAM (21st Century Skills)	\$15,000	STEAM (21st Century Skills)	\$0
Total	\$112,000	Total	\$0

Act 44

Safety and Security Report

- Training
 - Monthly administrative team meetings to review and update the district's All Hazards Plan.
 - Conducted table-top exercises on July 30, 2018 with local, county and state responders.
 - Conducted the beginning of year safety trainings for students on August 29, 2018, followed by our rally point exercise on August 30, 2018.
 - Conducted fortified lockdown training for staff on October 4, 2018.
 - Consistent communication and coordination with PCCD to implement Act 44.
 - S2SS planning, training, implementation - Students and staff trained February 5, 2019.
- Joint School Safety Taskforce (JSST)
 - Participate in JSST and work with neighboring districts in matters related to school safety and security.
 - Presented our JSST concept with Brent Bell, Upper Dauphin Area, at the statewide Center for Safe Schools Safety and Security Conference on December 12, 2018.
- Grants/Equipment
 - Millersburg Area is on a waiting list of schools for a Risk & Vulnerability Assessment Team (RVAT) assessment of our district facilities.
 - Stop The Bleed Kits have been distributed to all teachers and are kept in their Go-Bags.
 - Obtained nearly \$25,000 through PA Department of Education Safe Schools Grant for additional 14 radios (1 of 2 schools in CAIU).
 - Obtained \$25,000 through Part A PCCD grant – used to update cameras at Lenkerville.

Comprehensive Plan Special Education Goal One

Special Education Professional Development

Special Education

Goal One

Professional Development for both Regular Education and Special Education Teachers/Staff

- Special Education overview/laws, policies and procedures
- Training/Support for regular education teachers instructing life skills/ID students
- CAIU consultation for Teachers/Staff in the areas of autism and behavior supports
- 20 hours of training for paraprofessionals per year

**Comprehensive Plan
Special Education
Goal Two**

Training in the Science and Instruction of Reading

Special Education

Goal Two

Special education teachers will:

- Acquire knowledge in the science of reading
- Acquire and utilize skills in modifying curriculum
- Provide reading instruction and supports for students in the least restrictive environment

**Comprehensive Plan
Special Education
Goal Three**

Effective Practices for Secondary Transition

Special Education

Goal Three

Transition coordinators and Secondary Special Education Teachers

- Attend workshops, webinars, and meetings on the ever-changing requirements and supports for transition age students
- Provide opportunities in the District for students in need of functional skills and supports
- Provide opportunities in the community for students in need of functional skills and supports

State of the District Address

How do we continue our implementation?

1. Facilities and staff that support our students and programs
2. Instructional programs focused on 21st Century skill development
3. Professional practices focused on rigorous content through utilization of 4 Cs
4. Empower students to develop 21st Century skills, one student at a time