

MARSHALL MATH SCIENCE ACADEMY

301 Hale Avenue

Schoolwide Title 1 School Plan | 2022 - 2023

VISION FOR LEARNING

Our diverse school community is focused on college and career readiness. Students use project based learning to enhance communication, collaboration, creativity, critical thinking and computational skills while solving the problems of today.

STEERING COMMITTEE

Name	Position	Building/Group
Ryan Jones	Principal	Marshall Math Science Academy
Amy Grab	Assistant Principal	Marshall Math Science Academy
Sara Kershner	Education Specialist	Marshall Math Science Academy
Amy Falvey	Teacher	Marshall Math Science Academy
Deborah Diernbach	Teacher	Marshall Math Science Academy
Capri Morey	Teacher	Marshall Math Science Academy
Bethune Brown	Parent	Community
Howard Lewis	Parent	Community
Doug-Thompson-Leader	Community Member	School Board
Ed Gooch	District Level Leaders	Harrisburg SD/MCIU

ESTABLISHED PRIORITIES

Priority Statement	Outcome Category
MSA has a school-wide positive behavior system but has no formalized MTSS plan to address interventions in academics.	Essential Practices 3: Provide Student-Centered Support Systems
MSA has no formalized plan for addressing the deficit in grade level science standards indicated by local assessments.	STEM

ACTION PLAN AND STEPS

Evidence-based Strategy
Universal Screening for early math intervention

Measurable Goals	
Goal Nickname	Measurable Goal Statement (Smart Goal)
Assisting Struggling students with mathematics	By June 30, 2023 75% of students that were identified as being below proficiency on the beginning of the year math STAR assessment will have an SGP of 65 or greater.

Action Step	Anticipated Start/Completion	Lead Person/Position	Materials/Resources/Supports Needed
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Action Step	Anticipated Start/Completion	Lead Person/Position	Materials/Resources/Supports Needed
Revised schedule to put intervention time into math classes	2022-06-01 - 2022-07-01	Principal	Current bell schedule, Eschool
Implementation of Imagine Math program for struggling students	2022-06-01 - 2022-08-30	Math teachers	Title 1 funds will be used to support Title 1 Math Interventionist @\$86,687 for .75 FTE.
Station Rotation training for all content teachers	2022-07-01 - 2022-08-30	IU13	
Tier 1 and Tier 2 MTSS Training	2022-08-01 - 2022-12-30	MTSS team that includes: school administrator, Guidance Counselor, Title 1 math interventionist, family engagement specialist, reading specialist, Instructional Coach	Title 1 funds will be used to support Title 1 Math Interventionist (as previously described), Reading Specialist @\$37,677 for .5 FTE, School Counselor @\$72,178 @ 1 FTE, Instructional Coach @\$93,989 for 1 FTE. Additionally, LEA level Family Engagement Set Aside Funds will be used to support salaries/benefits of a Family Engagement Specialist @\$28,199 .5 FTE and Family Engagement Supplies @\$2,500.

Action Step	Anticipated Start/Completion	Lead Person/Position	Materials/Resources/Supports Needed
Beginning of year math STAR Assessment	2022-09-01 - 2022-10-31	math teachers/ Title 1 Math Interventionist	Title I funds will be used for the 1:1 replenishment @\$58,484.
BOY data analysis and growth areas identification	2022-09-01 - 2022-10-31	Principal/math teachers/ Title 1 Math Interventionist	STAR reports
Quarter 1 tiered intervention development and implementation planning	2022-09-01 - 2022-10-31	Principal/math teachers/ Title 1 Math Interventionist	STAR reports/Imagine Math/ Substitutes
Quarter 2 tiered intervention development and implementation planning	2022-11-01 - 2022-12-30	Principal/math teachers/ Title 1 Math Interventionist	STAR reports/Imagine Math/ Substitutes
Tier math intervention	2022-09-01 - 2022-12-30	math teachers/ Title 1 Math Interventionist	STAR reports/Imagine Math

Action Step	Anticipated Start/Completion	Lead Person/Position	Materials/Resources/Supports Needed
and biweekly progress monitoring			
Middle of Year math STAR Assessment	2023-01-01 - 2023-01-31	math teachers/ Title 1 Math Interventionist	STAR Assessments
MOY data analysis and growth areas identification	2023-01-01 - 2023-01-31	Principal/math teachers/ Title 1 Math Interventionist	STAR reports
Quarter 3 tiered intervention development and implementation planning	2023-01-02 - 2023-01-31	Principal/math teachers/ Title 1 Math Interventionist	STAR reports/Imagine Math/ Substitutes
Quarter 4 tiered intervention development and	2023-03-01 - 2023-03-30	Principal/math teachers/ Title 1 Math Interventionist	STAR reports/Imagine Math/ Substitutes

Action Step	Anticipated Start/Completion	Lead Person/Position	Materials/Resources/Supports Needed
implementation planning			
Tier math intervention and biweekly progress monitoring	2023-01-02 - 2023-05-31	math teachers/ Title 1 Math Interventionist	STAR reports/Imagine Math
End of year math STAR Assessment	2023-05-01 - 2023-05-31	math teachers/ Title 1 Math Interventionist	STAR Assessments
EOY data analysis and growth areas identification	2023-05-01 - 2023-05-31	math teachers/ Title 1 Math Interventionist	STAR reports

Anticipated Outcome

1. There is a significant increase in student growth of students identified as below proficiency at the beginning of the year on the end of the year STAR assessment. 2. There is evidence of tiered system of supports for students in math classes as evident in lesson plans.

Monitoring/Evaluation

The school will monitor the the action plan through three benchmark tests, walkthroughs, lesson plans, and observations.

Evidence-based Strategy

Strong Academic Curriculum/ Authentic Instruction

Measurable Goals

Goal Nickname	Measurable Goal Statement (Smart Goal)
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STEM

By June 30, 2023 100% Science, Social Studies, Math, and ELA teachers will have integrated NGSS standards into Unit plans as evident by lesson plans and walkthroughs. There will be a 65% increase of the number of students identified as green or blue then in September on the science Classroom Diagnostic Tool

Action Step	Anticipated Start/Completion	Lead Person/Position	Materials/Resources/Supports Needed
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Staff training on NGSS and Common Core Crosswalk

2022-05-01 -
2022-06-30

Principal/STEM
Teacher

Development of Project-based unit examples in core content areas the integrate both NGSS and Common Core standards

2022-06-01 -
2022-08-30

Principal/STEM
Teacher/Core content
volunteers

Planning/building STEM Lab

2022-06-01 -
2022-12-31

Principal

Development of STEM coordinator roles and responsibilities

2022-06-01 -
2022-06-30

Principal/STEM teacher

Action Step	Anticipated Start/Completion	Lead Person/Position	Materials/Resources/Supports Needed
Departments trained in sample PBL Unit Examples	2022-09-01 - 2022-09-30	STEM Coordinator/Core Content Volunteers	NGSS integrated Unit examples. Title I Funds will be used for General Supplies @\$11,616 and Library Books @\$17,500.
STEM Coordinator schedule developed for department planning and co-teaching (Monthly)	2022-09-01 - 2022-06-30	STEM Coordinator	
Develop Walkthrough Schedule Quarter 1	2022-09-01 - 2022-09-30	Principal/Assistant Principal/Instructional Coach	Frontline/Drop-in forms
Develop Walkthrough Schedule Quarter 2	2022-10-01 - 2022-10-31	Principal/Assistant Principal/Instructional Coach	Frontline/Drop-in forms
Develop Walkthrough Schedule Quarter 3	2022-12-01 - 2022-12-31	Principal/Assistant Principal/Instructional Coach	Frontline/Drop-in forms
Develop Walkthrough Schedule Quarter 4	2023-03-01 - 2023-03-31	Principal/Assistant Principal/Instructional Coach	Frontline/Drop-in forms
Quarter 1 Science Department PLC Walkthrough Feedback and planning	2022-10-01 - 2022-10-31	Principal/Assistant Principal/Instructional Coach/STEM Coordinator	Frontline/Drop-in forms

Action Step	Anticipated Start/Completion	Lead Person/Position	Materials/Resources/Supports Needed
Quarter 2 Science Department PLC Walkthrough Feedback and planning	2022-12-01 - 2023-01-01	Principal/Assistant Principal/Instructional Coach/STEM Coordinator	Frontline/Drop-in forms
Quarter 3 Science Department PLC Walkthrough Feedback and planning	2023-03-01 - 2023-03-31	Principal/Assistant Principal/Instructional Coach/STEM Coordinator	Frontline/Drop-in forms
Quarter 4 Science Department PLC Walkthrough Feedback and planning	2023-05-01 - 2023-05-31	Principal/Assistant Principal/Instructional Coach/STEM Coordinator	Frontline/Drop-in forms
Anticipated Outcome			
1. Science and Social Studies classes have integrated NGSS into units of study by the end of Quarter 2. 2. Math and ELA classes have integrated NGSS into units of study by the end of Quarter 3.			
Monitoring/Evaluation			
The action plan will be monitored using lesson plans, walkthroughs, observations.			

PROFESSIONAL DEVELOPMENT STEPS AND TIMELINES:

Measurable Goals	Action Plan Name	Professional Development Step	Anticipated Timeline
By June 30, 2023 75% of students that were identified as being below proficiency on the beginning of the year math STAR assessment will have an SGP of 65 or greater. (Assisting Struggling students with mathematics)	Universal Screening for early math intervention	Station Rotation training for all content teachers	07/01/2022 - 08/30/2022

PROFESSIONAL DEVELOPMENT STEPS AND TIMELINES:

Measurable Goals	Action Plan Name	Professional Development Step	Anticipated Timeline
By June 30, 2023 75% of students that were identified as being below proficiency on the beginning of the year math STAR assessment will have an SGP of 65 or greater. (Assisting Struggling students with mathematics)	Universal Screening for early math intervention	Tier 1 and Tier 2 MTSS Training	08/01/2022 - 12/30/2022

PROFESSIONAL DEVELOPMENT STEPS AND TIMELINES:

Measurable Goals	Action Plan Name	Professional Development Step	Anticipated Timeline
By June 30, 2023 100% Science, Social Studies, Math, and ELA teachers will have integrated NGSS standards into Unit plans as evident by lesson plans and walkthroughs. There will be a 65% increase of the number of students identified as green or blue then in September on the science Classroom Diagnostic Tool (STEM)	Strong	Staff training on	05/01/2022
	Academic	NGSS and	-
	Curriculum/ Authentic Instruction	Common Core Crosswalk	06/30/2022

PROFESSIONAL DEVELOPMENT STEPS AND TIMELINES:

Measurable Goals	Action Plan Name	Professional Development Step	Anticipated Timeline
By June 30, 2023 100% Science, Social Studies, Math, and ELA teachers will have integrated NGSS standards into Unit plans as evident by lesson plans and walkthroughs. There will be a 65% increase of the number of students identified as green or blue then in September on the science Classroom Diagnostic Tool (STEM)	Strong	Departments	09/01/2022
	Academic	trained in sample	-
	Curriculum/ Authentic Instruction	PBL Unit Examples	09/30/2022

APPROVALS & SIGNATURES

Assurance of Quality and Accountability

Assurance of Quality and Accountability

The Building Administrator, Superintendent/Chief Executive Officer and President of the School Board will affirm the following statements.

We affirm that our school has developed a School Improvement Plan based upon a thorough review of the essential practices to advance educational programs and processes and improve student achievement.

We affirm that the action plans that we will be implementing address our specific school needs, include strategies that provide educational opportunities and instructional strategies for all students and each of the student groups, increases the amount and quality of learning time, and provides equity in the curriculum which may include programs, activities, and courses necessary to provide a well-rounded education. These plans address the needs of all children in the school, but particularly the needs of those at risk of not meeting the challenging State academic standards.

We, the undersigned, hereby certify that the school level plan has been duly reviewed by the Building Administrator, Superintendent of Schools and formally approved by the district's Board of Education, per guidelines required by the Pennsylvania Department of Education.

We hereby affirm and assure that the school level plan:

- Addresses all the **required components** prescribed by the Pennsylvania Department of Education
- Meets **ESSA requirements**
- Reflects **evidence-based strategies that meet the three highest levels of evidence outlined in ESSA**
- Has a **high probability of improving student achievement**
- Has sufficient **LEA leadership and support to ensure successful implementation**

With this Assurance of Quality & Accountability, we, therefore, request the Pennsylvania Department of Education grant formal approval to implement this school level plan.

School Board Minutes or Affirmation Statement

2022-06-27

Signature (Entered Electronically and must have access to web application).

Chief School Administrator

Eric B. Turman

2022-09-29

School Improvement Facilitator Signature

Building Principal Signature

Ryan Jones

2022-09-28

ADDENDUM A: BACKGROUND INFORMATION TO INFORM PLAN

Strengths

90.7% of black students met the performance standard for attendance in 2021 school year.

93.4% of Hispanic students met the performance standard for attendance in 2021 school year

91.8% of economically disadvantaged students met the performance standard for attendance in 2021 school year

64.8% of students scored at or above the typical growth from Fall to March. This is up 19.4% from the Fall.

45.7% of students scored at or above the minimum district benchmark proficiency level. The district's goal is greater than 50%

63% of students scored at or above the typical growth from Fall to March. This is up 5.9% from the Fall.

49.9% of students scored at or above the minimum district benchmark proficiency level. The district's goal is greater than 50%

17.39% of students were low green and 7.25% were high green

Challenges

11.1% of students are proficient or advanced which is less than the state average of 37.3% in mathematics for 2021 school year

55.4% of students are proficient or advanced which is less than the state average of 63.7% in science/biology for 2021 school year

51% of students are estimated to score at or above the proficiency benchmark on the state reading test.

14.3% of students are estimated to score at or above the proficiency benchmark on the state math test.

75.36% of 8th grade students that took the Classroom Diagnostic Tool for science score in the red zone indicating that they have not mastered the grade level standards in 8th grade science.

During the 19-20 school year and 20-21 school year the number of students completing the career and college readiness standard decreased by 15%.

EP13: Implement a multi-tiered system of supports for academics and behavior

Strengths

demonstrating a basic proficiency of 8th grade science standards.

During the 17-18 and 18-19 school years 90% of the students met the standard for College and Career Readiness

During the 19-20 school year 92.3% of students had regular attendance.

EP08: Build leadership capacity and empower staff in the development and successful implementation of initiatives that better serve students, staff, and the school

EP04: Identify and address individual student learning needs

67.5% of Latinx students have scored at or above the typical growth from fall to march 2022

65.4% of black students have scored at or above the typical growth from fall to march 2022

63.6% of Latinx students have scored at or above the typical growth from fall to march 2022

62.3% of black students have scored at or above the typical growth from fall to march 2022

Challenges

EP15: Partner with local businesses, community organizations, and other agencies to meet the needs of the LEA

EP16: Identify professional learning needs through analysis of a variety of data

EP03: Use a variety of assessments (including diagnostic, formative, and summative) to monitor student learning and adjust programs and instructional practices

48.6% of black students are estimated to score at or above proficiency benchmark on reading state test

49.2% of Latinx students are estimated to score at or above proficiency benchmark on reading state test

12.3% of black students are estimated to score at or above proficiency benchmark on math state test

15.4% of Latinx students are estimated to score at or above proficiency benchmark on math state test

Most Notable Observations/Patterns

In the areas of math science we have noticed that we are not improving as quickly as we are in terms of proficiency as we are in other areas. This may be a result of how we are using our assessment data and our lack of MTSS program.

Challenges	Discussion Point	Priority for Planning
EP03: Use a variety of assessments (including diagnostic, formative, and summative) to monitor student learning and adjust programs and instructional practices	Without a strong MTSS program, this practice can not be as effective as it needs to be	
EP13: Implement a multi-tiered system of supports for academics and behavior	With the amount of staff turn over and spending a year remote our school's MTSS program needs a reboot for clearer more systematic interventions	
75.36% of 8th grade students that took the Classroom Diagnostic Tool for science score in the red zone indicating that they have not mastered the grade level standards in 8th grade science.	3/4 of all 8th graders that took this diagnostic were in the red zone. This demonstrates a severe need for our science program to be the focus of all teachers, not just our science teachers.	
11.1% of students are proficient or advanced which is less than the state average of 37.3% in mathematics for 2021 school year	89% of all students that took the PSSAs were not proficient. The severity of this score demonstrates a need for not just intervention, but for all teachers to begin to teach math concepts.	

ADDENDUM B: ACTION PLAN

Action Plan: Universal Screening for early math intervention

Action Steps	Anticipated Start/Completion Date
Revised schedule to put intervention time into math classes	06/01/2022 - 07/01/2022
Monitoring/Evaluation	Anticipated Output
The school will monitor the the action plan through three benchmark tests, walkthroughs, lesson plans, and observations.	1. There is a significant increase in student growth of students identified as below proficiency at the beginning of the year on the end of the year STAR assessment. 2. There is evidence of tiered system of supports for students in math classes as evident in lesson plans.
Material/Resources/Supports Needed	PD Step
Current bell schedule, Eschool	no

Action Steps	Anticipated Start/Completion Date
Implementation of Imagine Math program for struggling students	06/01/2022 - 08/30/2022
Monitoring/Evaluation	Anticipated Output
The school will monitor the the action plan through three benchmark tests, walkthroughs, lesson plans, and observations.	1. There is a significant increase in student growth of students identified as below proficiency at the beginning of the year on the end of the year STAR assessment. 2. There is evidence of tiered system of supports for students in math classes as evident in lesson plans.
Material/Resources/Supports Needed	PD Step
Title 1 funds will be used to support Title 1 Math Interventionist @\$86,687 for .75 FTE.	no

Action Steps	Anticipated Start/Completion Date
Station Rotation training for all content teachers	07/01/2022 - 08/30/2022
Monitoring/Evaluation	Anticipated Output
The school will monitor the the action plan through three benchmark tests, walkthroughs, lesson plans, and observations.	1. There is a significant increase in student growth of students identified as below proficiency at the beginning of the year on the end of the year STAR assessment. 2. There is evidence of tiered system of supports for students in math classes as evident in lesson plans.
Material/Resources/Supports Needed	PD Step
	yes

Action Steps	Anticipated Start/Completion Date
Tier 1 and Tier 2 MTSS Training	08/01/2022 - 12/30/2022
Monitoring/Evaluation	Anticipated Output
The school will monitor the the action plan through three benchmark tests, walkthroughs, lesson plans, and observations.	1. There is a significant increase in student growth of students identified as below proficiency at the beginning of the year on the end of the year STAR assessment. 2. There is evidence of tiered system of supports for students in math classes as evident in lesson plans.
Material/Resources/Supports Needed	PD Step
Title 1 funds will be used to support Title 1 Math Interventionist (as previously described), Reading Specialist @\$37,677 for .5 FTE, School Counselor @\$72,178 @ 1 FTE, Instructional Coach @\$93,989 for 1 FTE. Additionally, LEA level Family Engagement Set Aside Funds will be used to support salaries/benefits of a Family Engagement Specialist @\$28,199 .5 FTE and Family Engagement Supplies @\$2,500.	yes

Action Steps	Anticipated Start/Completion Date
Beginning of year math STAR Assessment	09/01/2022 - 10/31/2022
Monitoring/Evaluation	Anticipated Output
The school will monitor the the action plan through three benchmark tests, walkthroughs, lesson plans, and observations.	1. There is a significant increase in student growth of students identified as below proficiency at the beginning of the year on the end of the year STAR assessment. 2. There is evidence of tiered system of supports for students in math classes as evident in lesson plans.
Material/Resources/Supports Needed	PD Step
Title I funds will be used for the 1:1 replenishment @\$58,484.	no

Action Steps	Anticipated Start/Completion Date
BOY data analysis and growth areas identification	09/01/2022 - 10/31/2022
Monitoring/Evaluation	Anticipated Output
The school will monitor the the action plan through three benchmark tests, walkthroughs, lesson plans, and observations.	1. There is a significant increase in student growth of students identified as below proficiency at the beginning of the year on the end of the year STAR assessment. 2. There is evidence of tiered system of supports for students in math classes as evident in lesson plans.
Material/Resources/Supports Needed	PD Step
STAR reports	no

Action Steps	Anticipated Start/Completion Date
Quarter 1 tiered intervention development and implementation planning	09/01/2022 - 10/31/2022
Monitoring/Evaluation	Anticipated Output
The school will monitor the the action plan through three benchmark tests, walkthroughs, lesson plans, and observations.	1. There is a significant increase in student growth of students identified as below proficiency at the beginning of the year on the end of the year STAR assessment. 2. There is evidence of tiered system of supports for students in math classes as evident in lesson plans.
Material/Resources/Supports Needed	PD Step
STAR reports/Imagine Math/ Substitutes	no

Action Steps	Anticipated Start/Completion Date
Quarter 2 tiered intervention development and implementation planning	11/01/2022 - 12/30/2022
Monitoring/Evaluation	Anticipated Output
The school will monitor the the action plan through three benchmark tests, walkthroughs, lesson plans, and observations.	1. There is a significant increase in student growth of students identified as below proficiency at the beginning of the year on the end of the year STAR assessment. 2. There is evidence of tiered system of supports for students in math classes as evident in lesson plans.
Material/Resources/Supports Needed	PD Step
STAR reports/Imagine Math/ Substitutes	no

Action Steps	Anticipated Start/Completion Date
Tier math intervention and biweekly progress monitoring	09/01/2022 - 12/30/2022
Monitoring/Evaluation	Anticipated Output
The school will monitor the the action plan through three benchmark tests, walkthroughs, lesson plans, and observations.	<ol style="list-style-type: none"> 1. There is a significant increase in student growth of students identified as below proficiency at the beginning of the year on the end of the year STAR assessment. 2. There is evidence of tiered system of supports for students in math classes as evident in lesson plans.
Material/Resources/Supports Needed	PD Step
STAR reports/Imagine Math	no

Action Steps	Anticipated Start/Completion Date
Middle of Year math STAR Assessment	01/01/2023 - 01/31/2023
Monitoring/Evaluation	Anticipated Output
The school will monitor the the action plan through three benchmark tests, walkthroughs, lesson plans, and observations.	1. There is a significant increase in student growth of students identified as below proficiency at the beginning of the year on the end of the year STAR assessment. 2. There is evidence of tiered system of supports for students in math classes as evident in lesson plans.
Material/Resources/Supports Needed	PD Step
STAR Assessments	no

Action Steps	Anticipated Start/Completion Date
MOY data analysis and growth areas identification	01/01/2023 - 01/31/2023
Monitoring/Evaluation	Anticipated Output
The school will monitor the the action plan through three benchmark tests, walkthroughs, lesson plans, and observations.	1. There is a significant increase in student growth of students identified as below proficiency at the beginning of the year on the end of the year STAR assessment. 2. There is evidence of tiered system of supports for students in math classes as evident in lesson plans.
Material/Resources/Supports Needed	PD Step
STAR reports	no

Action Steps**Anticipated Start/Completion Date**

Quarter 3 tiered intervention development and implementation planning

01/02/2023 - 01/31/2023

Monitoring/Evaluation**Anticipated Output**

The school will monitor the the action plan through three benchmark tests, walkthroughs, lesson plans, and observations.

1. There is a significant increase in student growth of students identified as below proficiency at the beginning of the year on the end of the year STAR assessment.
2. There is evidence of tiered system of supports for students in math classes as evident in lesson plans.

Material/Resources/Supports Needed**PD Step**

STAR reports/Imagine Math/ Substitutes

no

Action Steps	Anticipated Start/Completion Date
Quarter 4 tiered intervention development and implementation planning	03/01/2023 - 03/30/2023
Monitoring/Evaluation	Anticipated Output
The school will monitor the the action plan through three benchmark tests, walkthroughs, lesson plans, and observations.	1. There is a significant increase in student growth of students identified as below proficiency at the beginning of the year on the end of the year STAR assessment. 2. There is evidence of tiered system of supports for students in math classes as evident in lesson plans.
Material/Resources/Supports Needed	PD Step
STAR reports/Imagine Math/ Substitutes	no

Action Steps	Anticipated Start/Completion Date
Tier math intervention and biweekly progress monitoring	01/02/2023 - 05/31/2023
Monitoring/Evaluation	Anticipated Output
The school will monitor the the action plan through three benchmark tests, walkthroughs, lesson plans, and observations.	1. There is a significant increase in student growth of students identified as below proficiency at the beginning of the year on the end of the year STAR assessment. 2. There is evidence of tiered system of supports for students in math classes as evident in lesson plans.
Material/Resources/Supports Needed	PD Step
STAR reports/Imagine Math	no

Action Steps	Anticipated Start/Completion Date
End of year math STAR Assessment	05/01/2023 - 05/31/2023
Monitoring/Evaluation	Anticipated Output
The school will monitor the the action plan through three benchmark tests, walkthroughs, lesson plans, and observations.	<ol style="list-style-type: none"> 1. There is a significant increase in student growth of students identified as below proficiency at the beginning of the year on the end of the year STAR assessment. 2. There is evidence of tiered system of supports for students in math classes as evident in lesson plans.
Material/Resources/Supports Needed	PD Step
STAR Assessments	no

Action Steps	Anticipated Start/Completion Date
EOY data analysis and growth areas identification	05/01/2023 - 05/31/2023

Monitoring/Evaluation	Anticipated Output
The school will monitor the the action plan through three benchmark tests, walkthroughs, lesson plans, and observations.	1. There is a significant increase in student growth of students identified as below proficiency at the beginning of the year on the end of the year STAR assessment. 2. There is evidence of tiered system of supports for students in math classes as evident in lesson plans.

Material/Resources/Supports Needed	PD Step
STAR reports	no

Action Plan: Strong Academic Curriculum/ Authentic Instruction

Action Steps	Anticipated Start/Completion Date
Staff training on NGSS and Common Core Crosswalk	05/01/2022 - 06/30/2022

Monitoring/Evaluation	Anticipated Output
The action plan will be monitored using lesson plans, walkthroughs, observations.	1. Science and Social Studies classes have integrated NGSS into units of study by the end of Quarter 2. 2. Math and ELA classes have integrated NGSS into units of study by the end of Quarter 3.

Material/Resources/Supports Needed	PD Step
	yes

Action Steps	Anticipated Start/Completion Date
Development of Project-based unit examples in core content areas the integrate both NGSS and Common Core standards	06/01/2022 - 08/30/2022
Monitoring/Evaluation	Anticipated Output
The action plan will be monitored using lesson plans, walkthroughs, observations.	1. Science and Social Studies classes have integrated NGSS into units of study by the end of Quarter 2. 2. Math and ELA classes have integrated NGSS into units of study by the end of Quarter 3.
Material/Resources/Supports Needed	PD Step
	no

Action Steps	Anticipated Start/Completion Date
Planning/building STEM Lab	06/01/2022 - 12/31/2022

Monitoring/Evaluation	Anticipated Output
The action plan will be monitored using lesson plans, walkthroughs, observations.	1. Science and Social Studies classes have integrated NGSS into units of study by the end of Quarter 2. 2. Math and ELA classes have integrated NGSS into units of study by the end of Quarter 3.

Material/Resources/Supports Needed	PD Step
	no

Action Steps**Anticipated Start/Completion Date**

Development of STEM coordinator roles and responsibilities

06/01/2022 - 06/30/2022

Monitoring/Evaluation**Anticipated Output**

The action plan will be monitored using lesson plans, walkthroughs, observations.

1. Science and Social Studies classes have integrated NGSS into units of study by the end of Quarter 2. 2. Math and ELA classes have integrated NGSS into units of study by the end of Quarter 3.

Material/Resources/Supports Needed**PD Step**

no

Action Steps	Anticipated Start/Completion Date
Departments trained in sample PBL Unit Examples	09/01/2022 - 09/30/2022
Monitoring/Evaluation	Anticipated Output
The action plan will be monitored using lesson plans, walkthroughs, observations.	1. Science and Social Studies classes have integrated NGSS into units of study by the end of Quarter 2. 2. Math and ELA classes have integrated NGSS into units of study by the end of Quarter 3.
Material/Resources/Supports Needed	PD Step
NGSS integrated Unit examples. Title I Funds will be used for General Supplies @\$11,616 and Library Books @\$17,500.	yes

Action Steps	Anticipated Start/Completion Date
STEM Coordinator schedule developed for department planning and co-teaching (Monthly)	09/01/2022 - 06/30/2022
Monitoring/Evaluation	Anticipated Output
The action plan will be monitored using lesson plans, walkthroughs, observations.	1. Science and Social Studies classes have integrated NGSS into units of study by the end of Quarter 2. 2. Math and ELA classes have integrated NGSS into units of study by the end of Quarter 3.
Material/Resources/Supports Needed	PD Step
	no

Action Steps	Anticipated Start/Completion Date
Develop Walkthrough Schedule Quarter 1	09/01/2022 - 09/30/2022

Monitoring/Evaluation	Anticipated Output
The action plan will be monitored using lesson plans, walkthroughs, observations.	1. Science and Social Studies classes have integrated NGSS into units of study by the end of Quarter 2. 2. Math and ELA classes have integrated NGSS into units of study by the end of Quarter 3.

Material/Resources/Supports Needed	PD Step
Frontline/Drop-in forms	no

Action Steps	Anticipated Start/Completion Date
Develop Walkthrough Schedule Quarter 2	10/01/2022 - 10/31/2022

Monitoring/Evaluation	Anticipated Output
The action plan will be monitored using lesson plans, walkthroughs, observations.	1. Science and Social Studies classes have integrated NGSS into units of study by the end of Quarter 2. 2. Math and ELA classes have integrated NGSS into units of study by the end of Quarter 3.

Material/Resources/Supports Needed	PD Step
Frontline/Drop-in forms	no

Action Steps	Anticipated Start/Completion Date
Develop Walkthrough Schedule Quarter 3	12/01/2022 - 12/31/2022

Monitoring/Evaluation	Anticipated Output
The action plan will be monitored using lesson plans, walkthroughs, observations.	1. Science and Social Studies classes have integrated NGSS into units of study by the end of Quarter 2. 2. Math and ELA classes have integrated NGSS into units of study by the end of Quarter 3.

Material/Resources/Supports Needed	PD Step
Frontline/Drop-in forms	no

Action Steps	Anticipated Start/Completion Date
Develop Walkthrough Schedule Quarter 4	03/01/2023 - 03/31/2023

Monitoring/Evaluation	Anticipated Output
The action plan will be monitored using lesson plans, walkthroughs, observations.	1. Science and Social Studies classes have integrated NGSS into units of study by the end of Quarter 2. 2. Math and ELA classes have integrated NGSS into units of study by the end of Quarter 3.

Material/Resources/Supports Needed	PD Step
Frontline/Drop-in forms	no

Action Steps	Anticipated Start/Completion Date
Quarter 1 Science Department PLC Walkthrough Feedback and planning	10/01/2022 - 10/31/2022
Monitoring/Evaluation	Anticipated Output
The action plan will be monitored using lesson plans, walkthroughs, observations.	1. Science and Social Studies classes have integrated NGSS into units of study by the end of Quarter 2. 2. Math and ELA classes have integrated NGSS into units of study by the end of Quarter 3.
Material/Resources/Supports Needed	PD Step
Frontline/Drop-in forms	no

Action Steps	Anticipated Start/Completion Date
Quarter 2 Science Department PLC Walkthrough Feedback and planning	12/01/2022 - 01/01/2023
Monitoring/Evaluation	Anticipated Output
The action plan will be monitored using lesson plans, walkthroughs, observations.	1. Science and Social Studies classes have integrated NGSS into units of study by the end of Quarter 2. 2. Math and ELA classes have integrated NGSS into units of study by the end of Quarter 3.
Material/Resources/Supports Needed	PD Step
Frontline/Drop-in forms	no

Action Steps	Anticipated Start/Completion Date
Quarter 3 Science Department PLC Walkthrough Feedback and planning	03/01/2023 - 03/31/2023
Monitoring/Evaluation	Anticipated Output
The action plan will be monitored using lesson plans, walkthroughs, observations.	1. Science and Social Studies classes have integrated NGSS into units of study by the end of Quarter 2. 2. Math and ELA classes have integrated NGSS into units of study by the end of Quarter 3.
Material/Resources/Supports Needed	PD Step
Frontline/Drop-in forms	no

Action Steps	Anticipated Start/Completion Date
Quarter 4 Science Department PLC Walkthrough Feedback and planning	05/01/2023 - 05/31/2023

Monitoring/Evaluation	Anticipated Output
The action plan will be monitored using lesson plans, walkthroughs, observations.	1. Science and Social Studies classes have integrated NGSS into units of study by the end of Quarter 2. 2. Math and ELA classes have integrated NGSS into units of study by the end of Quarter 3.

Material/Resources/Supports Needed	PD Step
Frontline/Drop-in forms	no

ADDENDUM C: PROFESSIONAL DEVELOPMENT PLANS

Measurable Goals	Action Plan Name	Professional Development Step	Anticipated Timeline
By June 30, 2023 75% of students that were identified as being below proficiency on the beginning of the year math STAR assessment will have an SGP of 65 or greater. (Assisting Struggling students with mathematics)	Universal Screening for early math intervention	Station Rotation training for all content teachers	07/01/2022 - 08/30/2022
By June 30, 2023 75% of students that were identified as being below proficiency on the beginning of the year math STAR assessment will have an SGP of 65 or greater. (Assisting Struggling students with mathematics)	Universal Screening for early math intervention	Tier 1 and Tier 2 MTSS Training	08/01/2022 - 12/30/2022
By June 30, 2023 100% Science, Social Studies, Math, and ELA teachers will have integrated NGSS standards into Unit plans as evident by lesson plans and walkthroughs. There will be a 65% increase of the number of students identified as green or blue then in September on the science Classroom Diagnostic Tool (STEM)	Strong Academic Curriculum/ Authentic Instruction	Staff training on NGSS and Common Core Crosswalk	05/01/2022 - 06/30/2022
By June 30, 2023 100% Science, Social Studies, Math, and ELA teachers will have integrated NGSS standards into Unit plans as evident by lesson plans and walkthroughs. There will be a 65% increase of the number of students identified as green or blue then in September on the science Classroom Diagnostic Tool (STEM)	Strong Academic Curriculum/ Authentic Instruction	Departments trained in sample PBL Unit Examples	09/01/2022 - 09/30/2022

PROFESSIONAL DEVELOPMENT PLANS

Professional Development Step	Audience	Topics of Prof. Dev
Station Rotation	Volunteer Teachers	Station Rotation Model
Evidence of Learning	Anticipated Timeframe	Lead Person/Position
Teachers will be able to develop lessons that utilize the station rotation model	07/01/2022 - 08/31/2022	IU 13
Danielson Framework Component Met in this Plan:		This Step meets the Requirements of State Required Trainings:
3c: Engaging Students in Learning		
Professional Development Step	Audience	Topics of Prof. Dev
Next generation Science Standards	Volunteer teachers of core subjects	Next generation Science Standards/STEL/Common Core Crosswalk

Evidence of Learning	Anticipated Timeframe	Lead Person/Position
Teachers will be able to identify NGSS that pair with the Pa state standards in their curriculum and create a unit of study taught through PBL.	06/01/2022 - 08/31/2022	Principal/ Instructional coach/STEM Teacher

Danielson Framework Component Met in this Plan:	This Step meets the Requirements of State Required Trainings:
1a: Demonstrating Knowledge of Content and Pedagogy	

Professional Development Step	Audience	Topics of Prof. Dev
Project Based Learning Unit Exemplars	All teachers	Next Generation Science Standards/Project-based Learning/STEL common core cross walk/ PA State Standards

Evidence of Learning	Anticipated Timeframe	Lead Person/Position
Teachers will be able to identify NGSS that pair with the Pa state standards in their curriculum and create a unit of study taught through PBL.	09/01/2022 - 09/30/2022	Principal/ Instructional coach/STEM Teacher/ volunteer teachers

Danielson Framework Component Met in this Plan:

This Step meets the Requirements of State Required Trainings:

1e: Designing Coherent Instruction

Professional Development Step

Audience

Topics of Prof. Dev

MTSS

All Staff

Tier 1 and 2 of MTSS

Evidence of Learning

Anticipated Timeframe

Lead Person/Position

Teachers will develop a tiered intervention plan that utilizes the station rotation model

06/01/2022 - 12/30/2022

MTSS team that includes: school administrator, Guidance Counselor, Title 1 math interventionist, family engagement specialist, reading specialist, Instructional Coach

Danielson Framework Component Met in this Plan:

This Step meets the Requirements of State Required Trainings:

1b: Demonstrating Knowledge of Students

ADDENDUM E: COMPREHENSIVE PLAN COMMUNICATIONS

Communication Step	Topics of Message	Mode	Audience	Anticipated Timeline
Preview of plan at School Professional Learning or Meeting- May	MTSS/Station rotation/NGSS	Faculty Meeting	All Staff	May 2022
Plan posting for public review and comment May-June	MMSA School improvement Plan	Website	Community	June 2022
Parent News Letter Monthly	School Improvement Progress	News Letter	Families and Community	August '22- June '23
Open Tour August	Changes and updates to MMSA Schedule and Curriculum	Pamphlet and Tour	Families and Community	August 2022
Staff Meeting Updates Monthly	STAR Data/Intervention Planning/ Unit of Study Planning	Professional Learning Community	All Staff	August '22- June '23
Open House Fall	Parent Engagement Policy/Parent Compact/Blended NGSS Curriculum	Teacher presentations	Families and Community	September 2022

Communication Step	Topics of Message	Mode	Audience	Anticipated Timeline
Meet and Greet Family Event with Admin/FES September	School Improvement Progress	Robocall/Flyer/Luncheon	Families and Community	September 2022/January 2023/March 2023
"School display charting progress toward goals (i.e. - bulletin Ongoing board with charts/graphs that are updated; data walls)"	School Improvement Progress	Charts/Presentations	Students/Staff/Parents/Community	August '22-June '23
"Professional Learning Communities (PLC) September-May discussions/updates"	School Improvement Progress	PLC	Teachers	August '22-June '23
Quarterly Review Mtgs. w/team and LEA representatives Oct, Jan, Apr, Jun	School Improvement Progress	Agenda	SIP team and LEA	August '22-June '23
