

# **Hemmeter School Improvement Plan**

## **2016-2017 Final Draft**

Hemmeter Elementary School  
Saginaw Township Community Schools

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# TABLE OF CONTENTS

Overview.....	1
Goals Summary.....	2
Goal 1: All students at Hemmeter Elementary School will be proficient in math.....	3
Goal 2: All students at Hemmeter Elementary School will become proficient writers. ....	6
Goal 3: All students at Hemmeter Elementary School will become proficient readers. ....	9
Goal 4: All students at Hemmeter Elementary School will improve in science proficiency.....	13
Activity Summary by Funding Source.....	18

## **Overview**

### **Plan Name**

Hemmeter School Improvement Plan 2016-2017 Final Draft

### **Plan Description**

## Goals Summary

The following is a summary of the goals encompassed in this plan. The details for each goal are available in the next section.

#	Goal Name	Goal Details	Goal Type	Total Funding
1	All students at Hemmeter Elementary School will be proficient in math.	Objectives: 1 Strategies: 4 Activities: 13	Academic	\$840
2	All students at Hemmeter Elementary School will become proficient writers.	Objectives: 1 Strategies: 4 Activities: 12	Academic	\$13870
3	All students at Hemmeter Elementary School will become proficient readers.	Objectives: 1 Strategies: 4 Activities: 15	Academic	\$2950
4	All students at Hemmeter Elementary School will improve in science proficiency.	Objectives: 1 Strategies: 4 Activities: 16	Academic	\$4800

## Goal 1: All students at Hemmeter Elementary School will be proficient in math.

### Measurable Objective 1:

100% of Pre-K, Kindergarten, First, Second, Third, Fourth and Fifth grade Black or African-American, Asian, White, Economically Disadvantaged, Gifted and Talented, Hispanic or Latino, Students with Disabilities, English Learners, Two or More Races, American Indian or Alaska Native and Native Hawaiian or Other Pacific Islander students will demonstrate a proficiency in third, fourth, and fifth grade in Mathematics by 06/12/2017 as measured by state assessment data and NWEA.

### Strategy 1:

Professional Learning to Address Achievement Gaps/Challenges - All staff will engage in professional development and learning teams to address achievement gaps and support student learning in math.

Category: Mathematics

Research Cited: Common Core State Standards Initiative (CCSSI), 2010. Common Core State Standards for Mathematics. Washington, DC; National Governors Association Center for Best Practices and the Council of Chief State School Officers. [http://www.corestandards.org/assets/CCSSI\\_Math%20Standards.pdf](http://www.corestandards.org/assets/CCSSI_Math%20Standards.pdf)

Coughlin, Heather. 2010. "Dividing Fractions: What is the Divisor's Role?" Mathematics Teaching in the Middle School 16 (December 2010/January 2011): 280-87.

Tier: Tier 1

Activity - PLC Subscription for Teaching Children Mathematics	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
The school will purchase two memberships to the National Council of Teachers of Mathematics which includes the subscription to Teaching Children Mathematics. The members of the math PLC will read the magazine each month and share relevant articles with the staff during professional development days and/or staff meetings.	Professional Learning	Tier 1	Monitor	09/06/2016	06/12/2017	\$200	General Fund	Principal and teachers.

Activity - Mathematical Apps and Websites	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Time will be provided for teachers to research and identify high quality, effective apps and websites to support student learning.	Supplemental Materials, Technology	Tier 1	Monitor	09/06/2016	06/12/2017	\$0	No Funding Required	Principal and teachers.

### Strategy 2:

Evidence/Research-based Instruction for All Students - All staff will provide evidence and research-based math instruction to all students. The following school-wide strategies will be implemented by all staff with fidelity: supplying daily problem-solving opportunities, using Math In Focus curriculum materials as our primary resource, administering standardized pre- and post testing for each unit, and integrating children's literature and technology into mathematics units.

**Hemmeter School Improvement Plan 2016-2017 Final Draft**

Hemmeter Elementary School

Category:

Research Cited: Jensen, Eric, Teaching With the Brain in Mind. Alexandria, VA: Association for Supervision and Curriculum Development, 1998.

Tier: Tier 1

Activity - Math In Focus as Primary Resource	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Teachers will use the STCS pacing guides to teach Math in Focus with fidelity.	Direct Instruction	Tier 1	Monitor	09/06/2016	06/12/2017	\$0	No Funding Required	Teachers, Principal during walk-throughs

Activity - Math Theme Weeks	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Using NCTM's "Math by the Month" articles, teachers will spend one week per month exploring the activities with their students. The activities align with our goal of providing higher level, authentic math opportunities for our students.	Direct Instruction	Tier 1	Monitor	09/06/2016	06/12/2017	\$240	General Fund	Principal and teachers

Activity - Fact Fluency	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Teachers will provide students will opportunities to develop math fact fluency using the web based Xtra Math program.	Academic Support Program, Supplemental Materials	Tier 1	Implement	09/06/2016	06/12/2017	\$0	No Funding Required	Teachers.

**Strategy 3:**

Multi-Tiered Systems of Support - All teachers will develop a strong MTSS system of support for identifying students. MTSS support will be provided using the following interventions: After school tutoring, analyzing post test results for reteaching and spiraling the math curriculum, forming math intervention groups.

Category:

Research Cited: Brown-Chidsey, Rachel and Kristina J. Andren. 2013. Assessment for Intervention: A Problem-Solving Approach. Guilford Press.

Tier: Tier 2

Activity - After-School Tutoring	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
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## Hemmeter School Improvement Plan 2016-2017 Final Draft

Hemmeter Elementary School

Explore different options for providing after-school tutoring, including but not limited to peer or teacher tutoring and community education.	Direct Instruction	Tier 2	Monitor	09/06/2016	06/12/2017	\$400	General Fund	Teachers, Principal, Community Education
<b>Activity - Post Test Data Analysis</b>	<b>Activity Type</b>	<b>Tier</b>	<b>Phase</b>	<b>Begin Date</b>	<b>End Date</b>	<b>Resource Assigned</b>	<b>Source Of Funding</b>	<b>Staff Responsible</b>
Grade level teachers will collaborate to analyze post test data and use it to reteach concepts and skills that were not mastered.	Teacher Collaboration	Tier 2	Monitor	09/06/2016	06/12/2017	\$0	No Funding Required	Teachers
<b>Activity - Math Intervention Groups</b>	<b>Activity Type</b>	<b>Tier</b>	<b>Phase</b>	<b>Begin Date</b>	<b>End Date</b>	<b>Resource Assigned</b>	<b>Source Of Funding</b>	<b>Staff Responsible</b>
Based on informal and formal assessments teachers will create math intervention groups to meet the needs of struggling students.	Direct Instruction	Tier 2	Monitor	09/06/2016	06/12/2017	\$0	No Funding Required	Teachers
<b>Activity - Compass Learning</b>	<b>Activity Type</b>	<b>Tier</b>	<b>Phase</b>	<b>Begin Date</b>	<b>End Date</b>	<b>Resource Assigned</b>	<b>Source Of Funding</b>	<b>Staff Responsible</b>
Students will utilize Compass Learning. Teachers will customize assignments based on students' strengths and needs.	Supplemental Materials, Technology	Tier 2	Monitor	09/06/2016	06/12/2017	\$0	No Funding Required	Teachers.

### Strategy 4:

Family Engagement to Support Learning - All staff will engage parents to support student learning in math. Hemmeter will establish the following activities to engage families in math learning: providing extra practice opportunities, developing online resources to support learning, distributing Math In Focus School to Home Connections letter.

Category:

Research Cited: Prior, Jennifer and Maureen Gerard. 2007. Family Involvement in Early Childhood Education. Thomson Delmar Learning.

Tier: Tier 1

<b>Activity - Extra Practice</b>	<b>Activity Type</b>	<b>Tier</b>	<b>Phase</b>	<b>Begin Date</b>	<b>End Date</b>	<b>Resource Assigned</b>	<b>Source Of Funding</b>	<b>Staff Responsible</b>
Teachers will send home Math In Focus reteaching and extra practice activities to engage students and their family members in the learning process. We will also provide additional resources including math manipulatives, games, and real-world application activities.	Materials	Tier 2	Monitor	09/06/2016	06/12/2017	\$0	No Funding Required	Teachers

## Hemmeter School Improvement Plan 2016-2017 Final Draft

Hemmeter Elementary School

Activity - Online Resources	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Hemmeter will continue to add to our online math resource page. Links may include the Math In Focus Parent Access page, math games, tutorial videos, and other information to support teaching and learning.	Technology	Tier 1	Monitor	09/06/2016	06/12/2017	\$0	No Funding Required	Principal, Teachers
Activity - School to Home Connections	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Teachers will send home the Math In Focus School to Home Connection newsletter for each chapter.	Parent Involvement	Tier 1	Monitor	09/06/2016	06/12/2017	\$0	No Funding Required	Teachers
Activity - Math Curriculum Night	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
The school will host a math information night for parents at the start of the school year.	Community Engagement, Parent Involvement	Tier 1	Monitor	09/06/2016	06/12/2017	\$0	No Funding Required	Principal and teachers

## Goal 2: All students at Hemmeter Elementary School will become proficient writers.

### Measurable Objective 1:

100% of Pre-K, Kindergarten, First, Second, Third, Fourth and Fifth grade Black or African-American, Asian, Bottom 30%, White, Economically Disadvantaged, Gifted and Talented, Hispanic or Latino, Students with Disabilities, English Learners, Two or More Races, American Indian or Alaska Native and Native Hawaiian or Other Pacific Islander students will demonstrate a proficiency in writing in English Language Arts by 06/01/2017 as measured by MLPP, state assessment, and teacher-made assessments.

### Strategy 1:

Evidence/Research-Based Instruction for All Students - All staff will engage in strategically designed professional development to address student learning in writing. Hemmeter will implement the following school-wide strategies: Use the MAISA writing units, provide mentor text models, and evaluate student writing with rubrics; additionally we will use science notebooks and current events sources to teach writing.

### Category:

Research Cited: Calkins, Lucy, Mary Ehrenworth, and Christopher Lehman, Pathways to Common Core: Accelerating Achievement, Heinemann, 2012. Print

Cullum, Ruth. 6 + 1 Traits of Writing: The Complete Guide: Grades 3 & Up: Everything You Need to Teach and Assess Student Writing with This Powerful Model. New York: Scholastic Professional Books, 2003.

Tier: Tier 1



## Hemmeter School Improvement Plan 2016-2017 Final Draft

Hemmeter Elementary School

Activity - Current Event Sources	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Classroom teachers will use current event sources (such as Scope, Scholastic News, CNN Student News, Time for Kids, etc.) to guide informational and opinion/argument writing pieces.	Direct Instruction	Tier 1	Monitor	09/06/2016	06/12/2017	\$2000	General Fund	Classroom Teachers
Activity - Implementation of MAISA Writing Units	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Continue to implement MAISA writing units, score student pieces collaboratively, and monitor growth.	Direct Instruction	Tier 1	Monitor	09/06/2016	06/12/2017	\$0	No Funding Required	Teachers and principal.
Activity - Student Anchor Pieces	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Use student writing samples to teach writing traits such as organization, craft, and conventions.	Direct Instruction	Tier 1	Monitor	09/06/2016	06/12/2017	\$0	No Funding Required	Teachers
Activity - Grammar Reinforcement	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Teachers will reinforce grammar skills through lessons, apps and online activities.	Direct Instruction	Tier 1	Getting Ready	09/06/2016	06/12/2017	\$8000	Title II Part A	Teachers and Principal

### Strategy 2:

Family/Community Engagement to Support Learning and Enhance Collective Impact - All staff will engage parents to support student learning in writing. This will include the following activities: publish student writing samples in the Hemmeter Hotline, provide opportunities to showcase student writing to parents and community members, and develop a pamphlet for parents on how to help their children with writing at home.

Category:

Research Cited: Calkins, Lucy, Mary Ehrenworth, and Christopher Lehman, Pathways to Common Core: Accelerating Achievement, Heinemann, 2012. Print

Wilhelm, Jeffrey D. : Engaging Readers and Writers With Inquiry. Scholastic 2007

Tier: Tier 1

Activity - School Newsletter	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
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## Hemmeter School Improvement Plan 2016-2017 Final Draft

Hemmeter Elementary School

Students will write narrative, informational, and opinion/argument pieces for the monthly school newsletter.	Direct Instruction	Tier 1	Monitor	09/06/2016	06/12/2017	\$0	No Funding Required	Classroom teachers and principal
<b>Activity - Parent Writing Pamphlet</b>	<b>Activity Type</b>	<b>Tier</b>	<b>Phase</b>	<b>Begin Date</b>	<b>End Date</b>	<b>Resource Assigned</b>	<b>Source Of Funding</b>	<b>Staff Responsible</b>
Teachers will create and share a guide for parents to assist students at home with writing instruction.	Parent Involvement	Tier 1	Implement	09/06/2016	06/12/2017	\$0	No Funding Required	Classroom teachers
<b>Activity - Writing Showcase</b>	<b>Activity Type</b>	<b>Tier</b>	<b>Phase</b>	<b>Begin Date</b>	<b>End Date</b>	<b>Resource Assigned</b>	<b>Source Of Funding</b>	<b>Staff Responsible</b>
Teachers will provide opportunities for parents and community members to view student writing successes.	Community Engagement, Parent Involvement	Tier 1	Monitor	09/06/2016	06/12/2017	\$300	General Fund	Teachers

### Strategy 3:

Professional Learning to Close Achievement Gaps - All teachers will provide evidence/research-based writing instruction. As part of reaching this goal, Hemmeter's teaching staff will explore, implement, and complete the MAISA writing units. Furthermore, professional development will be provided on conferring strategies.

Category:

Research Cited: Dorfman, Lynne. 2007. Mentor Texts: Teaching Writing Through Children's Literature K-6. Stenhouse Publishing. Cambridge, Massachusetts.

Tier: Tier 1

<b>Activity - MAISA Unit Training</b>	<b>Activity Type</b>	<b>Tier</b>	<b>Phase</b>	<b>Begin Date</b>	<b>End Date</b>	<b>Resource Assigned</b>	<b>Source Of Funding</b>	<b>Staff Responsible</b>
Teachers and principal will attend additional training on the MAISA writing units as needed, and access a trainer who will meet with grade level teachers to refine delivery of MAISA writing lessons.	Professional Learning	Tier 1	Implement	09/06/2016	06/12/2017	\$3570	Title II Part A	Principal, teachers
<b>Activity - MAISA Unit Monitoring</b>	<b>Activity Type</b>	<b>Tier</b>	<b>Phase</b>	<b>Begin Date</b>	<b>End Date</b>	<b>Resource Assigned</b>	<b>Source Of Funding</b>	<b>Staff Responsible</b>
The principal and grade level colleagues will monitor the implementation of instructional strategies through mandatory timelines, principal observations, and lesson planning.	Teacher Collaboration, Walkthrough	Tier 1	Monitor	09/06/2016	06/12/2017	\$0	No Funding Required	Principal and teachers

## Hemmeter School Improvement Plan 2016-2017 Final Draft

Hemmeter Elementary School

Activity - MAISA Unit Evaluation	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
The teachers and principal will evaluate the MAISA writing program. The evaluation will consist of student growth data using MAISA writing rubrics and teacher feedback. The school improvement team will complete the MDE program evaluation tool.	Other	Tier 1	Evaluate	09/06/2016	06/12/2017	\$0	No Funding Required	Teachers and principal

### Strategy 4:

Multi-Tiered Systems of Support - All staff will develop a strong MTSS system of support for students identified as needing additional time and resources to meet learning standards. The multi-tiered system of support will include the following interventions: collaborative data analysis and writing intervention groups.

Category:

Research Cited: Wilhelm, Jeffrey D. 2007. Engaging Readers and Writers With Inquiry. Scholastic.

Tier: Tier 2

Activity - Collaborative Data Analysis	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Classroom teachers will collaboratively meet to analyze mandatory MAISA writing assessments. Teachers will report data for all students and create action plans for those at risk.	Teacher Collaboration	Tier 2	Implement	09/06/2016	06/12/2017	\$0	No Funding Required	Teachers

Activity - Writing Intervention Groups	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Teachers will identify students who are at risk in writing based on data analysis, and organize writing intervention groups.	Direct Instruction	Tier 2	Monitor	09/06/2016	06/12/2017	\$0	No Funding Required	Teachers

## Goal 3: All students at Hemmeter Elementary School will become proficient readers.

### Measurable Objective 1:

100% of Pre-K, Kindergarten, First, Second, Third, Fourth and Fifth grade Black or African-American, Asian, White, Economically Disadvantaged, Gifted and Talented, Hispanic or Latino, Students with Disabilities, English Learners, Two or More Races, American Indian or Alaska Native and Native Hawaiian or Other Pacific Islander students will demonstrate a proficiency reading in English Language Arts by 06/01/2017 as measured by DRA/Rigby and NWEA assessments.

### Strategy 1:

Professional Learning to Close Achievement Gaps - All staff will participate in summer book clubs, attend the MRA conference, read a weekly professional article related to reading instruction, and attend a one-day session "Reading in the Wild" with Donalyn Miller at Central Michigan University on January 19, 2015.

Category:

Research Cited: Taberski, Sharon. 2011. Comprehension from the Ground Up: Simplified, Sensible Instruction for the K-3 Reading Workshop. Heinemann.

Hemmeter Elementary School

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**Hemmeter School Improvement Plan 2016-2017 Final Draft**

Hemmeter Elementary School

Portsmouth, New Hampshire.

Miller, Donalyn. 2013. Reading in the Wild. Jossey-Bass. San Francisco.

Tier: Tier 1

Activity - Summer Book Clubs	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Interested staff members will participate in a professional summer book club.	Professional Learning	Tier 1	Implement	06/13/2016	08/31/2016	\$250	General Fund	Principal and staff members

Activity - Michigan Reading Association Conference	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Teachers will attend the Michigan Reading Association conference. Time will be given at staff meetings to share information learned at the conference.	Professional Learning	Tier 1	Implement	09/06/2016	06/12/2017	\$1600	Title II Part A	Principal and teachers

Activity - Nerd Camp	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Teachers will attend Nerd Camp featuring professional authors and leaders in literacy development.	Professional Learning	Tier 1	Implement	07/11/2016	07/12/2016	\$600	General Fund	Interested teachers and principal (presenter)

**Strategy 2:**

Multi-Tiered Systems of Support - All staff will develop a strong MTSS system of support for students. Hemmeter will include the following interventions: Collaborative data analysis, reading intervention groups, parent-teacher collaboration, and parent volunteers.

Category:

Research Cited: Taberski, Sharon. 2011. Comprehension from the Ground Up. Heinemann. Portsmouth, New Hampshire.

Tier: Tier 2

Activity - Collaborative Data Analysis	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
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## Hemmeter School Improvement Plan 2016-2017 Final Draft

Hemmeter Elementary School

Classroom teachers will collaboratively meet after fall and winter benchmarks to analyze NWEA and writing data. Teachers will report data for all students and create an action plan for those in need of intervention.	Direct Instruction	Tier 2	Monitor	09/06/2016	06/12/2017	\$500	General Fund	Teachers and Principal
<b>Activity - Reading Intervention Groups</b>	<b>Activity Type</b>	<b>Tier</b>	<b>Phase</b>	<b>Begin Date</b>	<b>End Date</b>	<b>Resource Assigned</b>	<b>Source Of Funding</b>	<b>Staff Responsible</b>
Teachers will identify students who are at risk in reading based on data analysis, and organize reading intervention groups.	Direct Instruction	Tier 2	Monitor	09/06/2016	06/12/2017	\$0	No Funding Required	Teachers
<b>Activity - Parent-Teacher Collaboration</b>	<b>Activity Type</b>	<b>Tier</b>	<b>Phase</b>	<b>Begin Date</b>	<b>End Date</b>	<b>Resource Assigned</b>	<b>Source Of Funding</b>	<b>Staff Responsible</b>
Principal will provide monthly reading resources such as "Metacognition News" to promote parental involvement and provide knowledge of reading strategies.	Parent Involvement	Tier 2	Implement	09/06/2016	06/12/2017	\$0	No Funding Required	Principal and teachers
<b>Activity - Reading Buddies</b>	<b>Activity Type</b>	<b>Tier</b>	<b>Phase</b>	<b>Begin Date</b>	<b>End Date</b>	<b>Resource Assigned</b>	<b>Source Of Funding</b>	<b>Staff Responsible</b>
Upper elementary students will partner read with lower elementary students to build reading relationships and improve fluency.	Teacher Collaboration	Tier 1	Getting Ready	09/06/2016	06/12/2017	\$0	No Funding Required	Principal and teachers

### Strategy 3:

Evidence/Research-based Instruction for All Students - All teachers will provide evidence/research-based reading instruction to all students. Hemmeter will implement the following school-wide strategies: implement close reading strategies, provide daily independent reading time for all students and staff, use Reading Street and Reading Workshop Models, incorporate read-alouds into daily instruction, and conduct reading conferences.

Category:

Research Cited: Trelease, Jim. 2013. The Read-Aloud Handbook. Penguin Books. New York, New York.

Miller, Debbie. 2002. Reading With Meaning: Teaching Comprehension in the Primary Grades. Stenhouse Publishers. Portland, Maine.

Tier: Tier 1

<b>Activity - Daily Independent Reading</b>	<b>Activity Type</b>	<b>Tier</b>	<b>Phase</b>	<b>Begin Date</b>	<b>End Date</b>	<b>Resource Assigned</b>	<b>Source Of Funding</b>	<b>Staff Responsible</b>
In order to build a culture of life-long reading, all students and staff will engage in at least 20 minutes of free-choice independent reading each day.	Direct Instruction	Tier 1	Monitor	09/06/2016	06/12/2017	\$0	No Funding Required	Principal, teachers, and support staff

## Hemmeter School Improvement Plan 2016-2017 Final Draft

Hemmeter Elementary School

Activity - Reading Street and Reading Workshop Models	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Teachers will use Reading Street and reading workshop models during their 90 minute daily reading blocks.	Direct Instruction	Tier 1	Monitor	09/06/2016	06/12/2017	\$0	No Funding Required	Teachers
Activity - Read Alouds	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Teachers will incorporate read alouds into daily instruction.	Direct Instruction	Tier 1	Monitor	09/06/2016	06/12/2017	\$0	No Funding Required	Teachers
Activity - Reading Conferences	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Teachers will use individual student reading conferences to monitor comprehension, track progress, and build relationships.	Direct Instruction	Tier 1	Monitor	09/06/2016	06/12/2017	\$0	No Funding Required	Teachers
Activity - March Book Madness	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Students will participate in the March Book Madness reading tournament. Students are challenged to read books from a selected list of notable titles, evaluate each text, and make informed decisions in order to vote for their favorite books.	Supplemental Materials	Tier 1	Implement	09/06/2016	06/12/2017	\$0	No Funding Required	Teachers, principal, and librarian.

### Strategy 4:

Family/Community Engagement to Support Learning and Enhance Collective Impact - All staff will engage parents to support student learning in reading. Hemmeter will establish the following activities to engage families in literacy learning: publishing articles for parents in the Hemmeter Hotline, facilitating a parent book club, hosting a family reading night

Category:

Research Cited: Prior, Jennifer and Maureen Gerard. 2007. Family Involvement in Early Childhood Education. Thomson Dellmar Learning.

Trelease, Jim. 2013. The Read-Aloud Handbook. Penguin Books. New York, New York.

Tier: Tier 1

Activity - Articles for Parents	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Principal will provide monthly reading resources such as "Metacognition News" to promote parental involvement and provide knowledge of reading strategies.	Parent Involvement	Tier 1	Implement	09/06/2016	06/12/2017	\$0	No Funding Required	Principal and teachers

## Hemmeter School Improvement Plan 2016-2017 Final Draft

Hemmeter Elementary School

Activity - Parent Book Club	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
The principal will host a parent book club to promote the benefits of reading within families.	Parent Involvement	Tier 1	Monitor	09/06/2016	06/12/2017	\$0	No Funding Required	Principal
Activity - Book Fair Night	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Hemmeter will host a family book fair night. The event will include books to purchase and an ice cream social.	Parent Involvement	Tier 1	Monitor	09/06/2016	06/12/2017	\$0	No Funding Required	Principal, parent volunteers, and teachers.

### Goal 4: All students at Hemmeter Elementary School will improve in science proficiency.

#### Measurable Objective 1:

45% of Pre-K, Kindergarten, First, Second, Third, Fourth and Fifth grade Black or African-American, Asian, Bottom 25%, Bottom 30%, White, Economically Disadvantaged, Free/Reduced Lunch, Gifted and Talented, Hispanic or Latino, Improvement from 10th to 12th Grade, Improvement from 8th to 10th Grade, Students with Disabilities, English Learners, Two or More Races, American Indian or Alaska Native, Native Hawaiian or Other Pacific Islander and Top 75% students will demonstrate a proficiency in Science by 06/12/2017 as measured by M-STEP.

#### Strategy 1:

Professional Learning to Close Achievement Gaps - All teachers will provide evidence/research-based Science instruction. As part of this goal, Hemmeter's teaching staff will explore and implement curriculum aligned to the Next Generation Science standards.

Category: Science

Research Cited: Edson, Marcia. Starting with Science: Strategies for Introducing Young Children to Inquiry. Stenhouse Publishers, 2013.

Tier: Tier 1

Activity - Professional Development	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
All teachers will receive PD on the Next Generation Science curriculum.	Professional Learning	Tier 1	Getting Ready	09/06/2016	06/12/2017	\$0	No Funding Required	Teachers and principal
Activity - National Science Teachers Association Membership	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible

## Hemmeter School Improvement Plan 2016-2017 Final Draft

Hemmeter Elementary School

The school will purchase two memberships to the National Science Teachers Association which includes the subscription to Science and Children. The members of the science PLC will read the journal each month and share relevant articles with the staff during professional development days and/or staff meetings.	Professional Learning	Tier 1	Getting Ready	09/06/2016	06/12/2017	\$200	General Fund	Principal, teachers
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Activity - PBL Discovery Education	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
The 3rd-5th grade teachers will be trained in the PBL Discovery Education science model.	Professional Learning	Tier 1	Getting Ready	09/06/2016	06/12/2017	\$0	No Funding Required	Teachers

Activity - Science M-STEP	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Teachers will examine the 4th grade science M-STEP test to better understand expectations.	Professional Learning	Tier 1	Getting Ready	09/06/2016	06/12/2017	\$0	No Funding Required	Principal, teachers

### Strategy 2:

Multi-Tiered Systems of Support - All staff will develop a strong MTSS system of support for students identified as needing additional time and resources to meet learning standards. The multi-tiered system of support will include the following interventions: research and develop assessment tools to identify struggling students and high achieving students.

Category: Learning Support Systems

Research Cited: Ansberry, Karen. Picture-Perfect Science Guide. NSTA Press, 2015.

Tier: Tier 2

Activity - Assessment Tools	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Teachers will research and develop assessment tools to identify struggling students, as well as high achieving students.	Academic Support Program	Tier 2	Getting Ready	09/06/2016	06/12/2017	\$0	No Funding Required	Principal, teachers

Activity - Intervention Groups	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Based on assessments, teachers will create science intervention groups to meet the needs of struggling students as well as high achieving students.	Academic Support Program	Tier 2	Getting Ready	09/06/2016	06/12/2017	\$0	No Funding Required	Principal, teachers

### Strategy 3:

Evidence/Research-based Instruction for All Students - All teachers will provide evidence/research-based reading instruction to all students. Hemmeter will implement the following school-wide strategies: pilot Next Generation Science, maintain interactive Science notebooks, use classroom magazine to enhance classroom instruction.

Hemmeter Elementary School

Page 14



# Hemmeter School Improvement Plan 2016-2017 Final Draft

Hemmeter Elementary School

allow time for creative invention, expose students to grade level Science related reading material, and locate and/or generate real-world performance tasks

Category: Science

Research Cited: Doris, Ellen. 2010. Doing What Scientists Do. Portsmouth, NH: Heinemann.

Weller, Diana, and Carla Finkelstein. 2011. "From 'Adding Inquiry' to 'Doing Science.'" Science and Children.

Tier: Tier 1

Activity - Next Generation Science	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Teachers in grades K-2 will pilot Next Generation Science curriculum.	Academic Support Program	Tier 1	Getting Ready	09/06/2016	06/12/2017	\$0	No Funding Required	Teachers
Activity - Interactive Science Notebooks	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
All grade levels will maintain interactive Science notebooks throughout the school year. Students will record predictions, research, observations, data collection, and synthesis.	Academic Support Program	Tier 1	Getting Ready	09/06/2016	06/12/2017	\$0	General Fund	Teachers
Activity - Classroom Magazines	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Teachers will use classroom magazines such as Science Spin, Science News, and Super Science (Scholastic) to enhance instruction.	Academic Support Program	Tier 1	Getting Ready	09/06/2016	06/12/2017	\$600	General Fund	Principal, teachers
Activity - MakerSpace	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Teachers will allow time for creative invention in the classroom	Supplemental Materials	Tier 1	Getting Ready	09/06/2016	06/12/2017	\$0	No Funding Required	Teachers
Activity - Reading Materials	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Teachers will expose students to grade level science related reading material on a regular basis.	Supplemental Materials	Tier 1	Getting Ready	09/06/2016	06/12/2017	\$0	No Funding Required	Teachers, librarian
Activity - Performance Tasks	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible

# Hemmeter School Improvement Plan 2016-2017 Final Draft

Hemmeter Elementary School

Teachers will locate and/or generate real-world performance tasks. These tasks will engage students in high level science thinking, and provide application opportunities.	Supplemental Materials, Direct Instruction	Tier 1		09/06/2016	06/12/2017	\$0	No Funding Required	Teachers
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## Strategy 4:

Family/Community Engagement to Support Learning and Enhance Collective Impact - All staff will engage parents to support student learning in science. Hemmeter will establish the following activities to engage families in science learning:

STEM night,

SPARK day and

community partnerships

Category: Science

Research Cited: Campbell, Brian, and Lori Fulton. 2003. Science Notebooks: Writing About Inquiry. Portsmouth, Nh: Heinemann

Harlem, Wynne. 2001. Primary Science: Taking the Plunge. Portsmouth, NH: Heinemann

Tier: Tier 1

Activity - STEM Night	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Hemmeter will host a STEM night at the school.	Extra Curricular	Tier 1	Getting Ready	09/06/2016	06/12/2017	\$1000	Other	Principal and interested teachers

Activity - SPARK Day	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Hemmeter will host an annual Science Plus Art Reaches Kids (S.P.A.R.K.) day.	Extra Curricular	Tier 1	Monitor	09/06/2016	06/12/2017	\$3000	Other	Principal, teachers and parent volunteers

Activity - Community Partnerships	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Teachers will create partnerships with outside organizations to enhance classroom experiences such as Dow Ambassadors, SVSU Nurses, Saginaw County Mosquito Control, Mid Michigan Children's Museum, Midland Center for the Arts, Dow Gardens, etc.	Community Engagement	Tier 1	Getting Ready	09/06/2016	06/12/2017	\$0	No Funding Required	Teachers and community volunteers

# Hemmeter School Improvement Plan 2016-2017 Final Draft

Hemmeter Elementary School

Activity - Science Fair	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Hemmeter will host a science fair to display student work.	Extra Curricular	Tier 1	Implement	09/06/2016	06/12/2017	\$0	No Funding Required	Teachers

## Activity Summary by Funding Source

Below is a breakdown of your activities by funding source

### General Fund

Activity Name	Activity Description	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Staff Responsible
Interactive Science Notebooks	All grade levels will maintain interactive Science notebooks throughout the school year. Students will record predictions, research, observations, data collection, and synthesis.	Academic Support Program	Tier 1	Getting Ready	09/06/2016	06/12/2017	\$0	Teachers
Math Theme Weeks	Using NCTM's "Math by the Month" articles, teachers will spend one week per month exploring the activities with their students. The activities align with our goal of providing higher level, authentic math opportunities for our students.	Direct Instruction	Tier 1	Monitor	09/06/2016	06/12/2017	\$240	Principal and teachers
Writing Showcase	Teachers will provide opportunities for parents and community members to view student writing successes.	Community Engagement, Parent Involvement	Tier 1	Monitor	09/06/2016	06/12/2017	\$300	Teachers
Collaborative Data Analysis	Classroom teachers will collaboratively meet after fall and winter benchmarks to analyze NWEA and writing data. Teachers will report data for all students and create an action plan for those in need of intervention.	Direct Instruction	Tier 2	Monitor	09/06/2016	06/12/2017	\$500	Teachers and Principal
After-School Tutoring	Explore different options for providing after-school tutoring, including but not limited to peer or teacher tutoring and community education.	Direct Instruction	Tier 2	Monitor	09/06/2016	06/12/2017	\$400	Teachers, Principal, Community Education
National Science Teachers Association Membership	The school will purchase two memberships to the National Science Teachers Association which includes the subscription to Science and Children. The members of the science PLC will read the journal each month and share relevant articles with the staff during professional development days and/or staff meetings.	Professional Learning	Tier 1	Getting Ready	09/06/2016	06/12/2017	\$200	Principal, teachers
Summer Book Clubs	Interested staff members will participate in a professional summer book club.	Professional Learning	Tier 1	Implement	06/13/2016	08/31/2016	\$250	Principal and staff members

## Hemmeter School Improvement Plan 2016-2017 Final Draft

Hemmeter Elementary School

PLC Subscription for Teaching Children Mathematics	The school will purchase two memberships to the National Council of Teachers of Mathematics which includes the subscription to Teaching Children Mathematics. The members of the math PLC will read the magazine each month and share relevant articles with the staff during professional development days and/or staff meetings.	Professional Learning	Tier 1	Monitor	09/06/2016	06/12/2017	\$200	Principal and teachers.
Current Event Sources	Classroom teachers will use current event sources (such as Scope, Scholastic News, CNN Student News, Time for Kids, etc.) to guide informational and opinion/argument writing pieces.	Direct Instruction	Tier 1	Monitor	09/06/2016	06/12/2017	\$2000	Classroom Teachers
Nerd Camp	Teachers will attend Nerd Camp featuring professional authors and leaders in literacy development.	Professional Learning	Tier 1	Implement	07/11/2016	07/12/2016	\$600	Interested teachers and principal (presenter)
Classroom Magazines	Teachers will use classroom magazines such as Science Spin, Science News, and Super Science (Scholastic) to enhance instruction.	Academic Support Program	Tier 1	Getting Ready	09/06/2016	06/12/2017	\$600	Principal, teachers

### Title II Part A

Activity Name	Activity Description	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Staff Responsible
Michigan Reading Association Conference	Teachers will attend the Michigan Reading Association conference. Time will be given at staff meetings to share information learned at the conference.	Professional Learning	Tier 1	Implement	09/06/2016	06/12/2017	\$1600	Principal and teachers
Grammar Reinforcement	Teachers will reinforce grammar skills through lessons, apps and online activities.	Direct Instruction	Tier 1	Getting Ready	09/06/2016	06/12/2017	\$8000	Teachers and Principal
MAISA Unit Training	Teachers and principal will attend additional training on the MAISA writing units as needed, and access a trainer who will meet with grade level teachers to refine delivery of MAISA writing lessons.	Professional Learning	Tier 1	Implement	09/06/2016	06/12/2017	\$3570	Principal, teachers

### Other

Activity Name	Activity Description	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Staff Responsible
STEM Night	Hemmeter will host a STEM night at the school.	Extra Curricular	Tier 1	Getting Ready	09/06/2016	06/12/2017	\$1000	Principal and interested teachers

# Hemmeter School Improvement Plan 2016-2017 Final Draft

Hemmeter Elementary School

SPARK Day	Hemmeter will host an annual Science Plus Art Reaches Kids (S.P.A.R.K.) day.	Extra Curricular	Tier 1	Monitor	09/06/2016	06/12/2017	\$3000	Principal, teachers and parent volunteers
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## No Funding Required

Activity Name	Activity Description	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Staff Responsible
Community Partnerships	Teachers will create partnerships with outside organizations to enhance classroom experiences such as Dow Ambassadors, SVSU Nurses, Saginaw County Mosquito Control, Mid Michigan Children's Museum, Midland Center for the Arts, Dow Gardens, etc.	Community Engagement	Tier 1	Getting Ready	09/06/2016	06/12/2017	\$0	Teachers and community volunteers
Implementation of MAISA Writing Units	Continue to implement MAISA writing units, score student pieces collaboratively, and monitor growth.	Direct Instruction	Tier 1	Monitor	09/06/2016	06/12/2017	\$0	Teachers and principal.
Read Alouds	Teachers will incorporate read alouds into daily instruction.	Direct Instruction	Tier 1	Monitor	09/06/2016	06/12/2017	\$0	Teachers
Parent Writing Pamphlet	Teachers will create and share a guide for parents to assist students at home with writing instruction.	Parent Involvement	Tier 1	Implement	09/06/2016	06/12/2017	\$0	Classroom teachers
Writing Intervention Groups	Teachers will identify students who are at risk in writing based on data analysis, and organize writing intervention groups.	Direct Instruction	Tier 2	Monitor	09/06/2016	06/12/2017	\$0	Teachers
MakerSpace	Teachers will allow time for creative invention in the classroom	Supplemental Materials	Tier 1	Getting Ready	09/06/2016	06/12/2017	\$0	Teachers
Parent-Teacher Collaboration	Principal will provide monthly reading resources such as "Metacognition News" to promote parental involvement and provide knowledge of reading strategies.	Parent Involvement	Tier 2	Implement	09/06/2016	06/12/2017	\$0	Principal and teachers
Performance Tasks	Teachers will locate and/or generate real-world performance tasks. These tasks will engage students in high level science thinking, and provide application opportunities.	Supplemental Materials, Direct Instruction	Tier 1		09/06/2016	06/12/2017	\$0	Teachers
Math Curriculum Night	The school will host a math information night for parents at the start of the school year.	Community Engagement, Parent Involvement	Tier 1	Monitor	09/06/2016	06/12/2017	\$0	Principal and teachers
Reading Intervention Groups	Teachers will identify students who are at risk in reading based on data analysis, and organize reading intervention groups.	Direct Instruction	Tier 2	Monitor	09/06/2016	06/12/2017	\$0	Teachers

# Hemmeter School Improvement Plan 2016-2017 Final Draft

Hemmeter Elementary School

Math In Focus as Primary Resource	Teachers will use the STCS pacing guides to teach Math in Focus with fidelity.	Direct Instruction	Tier 1	Monitor	09/06/2016	06/12/2017	\$0	Teachers, Principal during walk-throughs
Mathematical Apps and Websites	Time will be provided for teachers to research and identify high quality, effective apps and websites to support student learning.	Supplemental Materials, Technology	Tier 1	Monitor	09/06/2016	06/12/2017	\$0	Principal and teachers.
March Book Madness	Students will participate in the March Book Madness reading tournament. Students are challenged to read books from a selected list of notable titles, evaluate each text, and make informed decisions in order to vote for their favorite books.	Supplemental Materials	Tier 1	Implement	09/06/2016	06/12/2017	\$0	Teachers, principal, and librarian.
PBL Discovery Education	The 3rd-5th grade teachers will be trained in the PBL Discovery Education science model.	Professional Learning	Tier 1	Getting Ready	09/06/2016	06/12/2017	\$0	Teachers
Fact Fluency	Teachers will provide students will opportunities to develop math fact fluency using the web based Xtra Math program.	Academic Support Program, Supplemental Materials	Tier 1	Implement	09/06/2016	06/12/2017	\$0	Teachers.
Book Fair Night	Hemmeter will host a family book fair night. The event will include books to purchase and an ice cream social.	Parent Involvement	Tier 1	Monitor	09/06/2016	06/12/2017	\$0	Principal, parent volunteers, and teachers.
Reading Buddies	Upper elementary students will partner read with lower elementary students to build reading relationships and improve fluency.	Teacher Collaboration	Tier 1	Getting Ready	09/06/2016	06/12/2017	\$0	Principal and teachers
Online Resources	Hemmeter will continue to add to our online math resource page. Links may include the Math In Focus Parent Access page, math games, tutorial videos, and other information to support teaching and learning.	Technology	Tier 1	Monitor	09/06/2016	06/12/2017	\$0	Principal, Teachers
MAISA Unit Evaluation	The teachers and principal will evaluate the MAISA writing program. The evaluation will consist of student growth data using MAISA writing rubrics and teacher feedback. The school improvement team will complete the MDE program evaluation tool.	Other	Tier 1	Evaluate	09/06/2016	06/12/2017	\$0	Teachers and principal
School Newsletter	Students will write narrative, informational, and opinion/argument pieces for the monthly school newsletter.	Direct Instruction	Tier 1	Monitor	09/06/2016	06/12/2017	\$0	Classroom teachers and principal

# Hemmeter School Improvement Plan 2016-2017 Final Draft

Hemmeter Elementary School

Post Test Data Analysis	Grade level teachers will collaborate to analyze post test data and use it to reteach concepts and skills that were not mastered.	Teacher Collaboration	Tier 2	Monitor	09/06/2016	06/12/2017	\$0	Teachers
Assessment Tools	Teachers will research and develop assessment tools to identify struggling students, as well as high achieving students.	Academic Support Program	Tier 2	Getting Ready	09/06/2016	06/12/2017	\$0	Principal, teachers
Collaborative Data Analysis	Classroom teachers will collaboratively meet to analyze mandatory MAISA writing assessments. Teachers will report data for all students and create action plans for those at risk.	Teacher Collaboration	Tier 2	Implement	09/06/2016	06/12/2017	\$0	Teachers
Reading Street and Reading Workshop Models	Teachers will use Reading Street and reading workshop models during their 90 minute daily reading blocks.	Direct Instruction	Tier 1	Monitor	09/06/2016	06/12/2017	\$0	Teachers
Student Anchor Pieces	Use student writing samples to teach writing traits such as organization, craft, and conventions.	Direct Instruction	Tier 1	Monitor	09/06/2016	06/12/2017	\$0	Teachers
Daily Independent Reading	In order to build a culture of life-long reading, all students and staff will engage in at least 20 minutes of free-choice independent reading each day.	Direct Instruction	Tier 1	Monitor	09/06/2016	06/12/2017	\$0	Principal, teachers, and support staff
Reading Conferences	Teachers will use individual student reading conferences to monitor comprehension, track progress, and build relationships.	Direct Instruction	Tier 1	Monitor	09/06/2016	06/12/2017	\$0	Teachers
Extra Practice	Teachers will send home Math In Focus reteaching and extra practice activities to engage students and their family members in the learning process. We will also provide additional resources including math manipulatives, games, and real-world application activities.	Materials	Tier 2	Monitor	09/06/2016	06/12/2017	\$0	Teachers
Compass Learning	Students will utilize Compass Learning. Teachers will customize assignments based on students' strengths and needs.	Supplemental Materials, Technology	Tier 2	Monitor	09/06/2016	06/12/2017	\$0	Teachers.
MAISA Unit Monitoring	The principal and grade level colleagues will monitor the implementation of instructional strategies through mandatory timelines, principal observations, and lesson planning.	Teacher Collaboration, Walkthrough	Tier 1	Monitor	09/06/2016	06/12/2017	\$0	Principal and teachers
Next Generation Science	Teachers in grades K-2 will pilot Next Generation Science curriculum.	Academic Support Program	Tier 1	Getting Ready	09/06/2016	06/12/2017	\$0	Teachers
Professional Development	All teachers will receive PD on the Next Generation Science curriculum.	Professional Learning	Tier 1	Getting Ready	09/06/2016	06/12/2017	\$0	Teachers and principal
Reading Materials	Teachers will expose students to grade level science related reading material on a regular basis.	Supplemental Materials	Tier 1	Getting Ready	09/06/2016	06/12/2017	\$0	Teachers, librarian



## Hemmeter School Improvement Plan 2016-2017 Final Draft

Hemmeter Elementary School

Math Intervention Groups	Based on informal and formal assessments teachers will create math intervention groups to meet the needs of struggling students.	Direct Instruction	Tier 2	Monitor	09/06/2016	06/12/2017	\$0	Teachers
Articles for Parents	Principal will provide monthly reading resources such as "Metacognition News" to promote parental involvement and provide knowledge of reading strategies.	Parent Involvement	Tier 1	Implement	09/06/2016	06/12/2017	\$0	Principal and teachers
School to Home Connections	Teachers will send home the Math In Focus School to Home Connection newsletter for each chapter.	Parent Involvement	Tier 1	Monitor	09/06/2016	06/12/2017	\$0	Teachers
Parent Book Club	The principal will host a parent book club to promote the benefits of reading within families.	Parent Involvement	Tier 1	Monitor	09/06/2016	06/12/2017	\$0	Principal
Science M-STEP	Teachers will examine the 4th grade science M-STEP test to better understand expectations.	Professional Learning	Tier 1	Getting Ready	09/06/2016	06/12/2017	\$0	Principal, teachers
Intervention Groups	Based on assessments, teachers will create science intervention groups to meet the needs of struggling students as well as high achieving students.	Academic Support Program	Tier 2	Getting Ready	09/06/2016	06/12/2017	\$0	Principal, teachers
Science Fair	Hemmeter will host a science fair to display student work.	Extra Curricular	Tier 1	Implement	09/06/2016	06/12/2017	\$0	Teachers