17

Livonia Public Schools

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Overview

Plan Name

LPS District Improvement Plan 2016-17

Plan Description

District Goals, Objectives, Strategies and Activities for 2016-17

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 in Livonia Public Schools will be proficient readers.	Objectives: 3 Strategies: 8 Activities: 57	Academic	
2	All students in the Livonia Public Schools will be proficient writers.	Objectives: 3 Strategies: 4 Activities: 25	Academic	
3	All students in Livonia Public Schools will be proficient in mathematics.	Objectives: 4 Strategies: 8 Activities: 35	Academic	
4	All students in the Livonia Public Schools will be proficient in science.	Objectives: 2 Strategies: 5 Activities: 20	Academic	
5	All students will increase engagement in their learning through the use of technology tools.	Objectives: 1 Strategies: 1 Activities: 7	Organizational	
6	All students will be proficient in social studies.	Objectives: 3 Strategies: 4 Activities: 7	Academic	
7	Enhancing Leadership Skills	Objectives: 1 Strategies: 1 Activities: 3	Organizational	

Goal 1: All students in Livonia Public Schools will be proficient readers.

Measurable Objective 1:

85% of All Students will demonstrate a proficiency in reading and comprehending literacy and informational text in English Language Arts by 06/01/2024 as measured by local and state assessments.

Strategy 1:

Comprehending Information Text at Complex Levels - All classroom and support teachers, special education providers, and EL teachers will implement curriculum, instruction and assessment focused on Priority Standards and support student comprehension of informational text at increasing levels of complexity.

Category: English/Language Arts

Research Cited: The Next Step in Guided Reading, Jan Richardson

RTI from All Sides, Mary Howard

Implementing Response to Intervention, Douglas Fisher and Nancy Frey

Teaching with Intention, Debbie Miller Units of Study created by Lucy Calkins

Tier:

Activity - ELA and Social Studies Curriculum Coordinator	Activity Type	Tier	Phase	Begin Date	End Date		Staff Responsibl e
provide professional development to Elementary Literacy Leaders to support implementation of curriculum, instruction and assessment focused on the district's Priority Standards for Reading. Schools: Randolph Elementary School, Roosevelt Elementary School, Riley Upper Elementary School, Johnson Upper Elementary School, Buchanan Elementary School, Hayes	Professiona I Learning	Tier 1		08/09/2016	06/23/2017	Title II Part A	ELA and Social Studies Curriculum Coordinator
Elementary School, Niji-Iro Japanese Immersion Elementary School, Hoover Elementary School, Cleveland Elementary School, Kennedy Elementary School, Grant Elementary School, Rosedale Elementary School, Cooper Upper Elementary School, Garfield Elementary School, Cass Elementary School, Coolidge Elementary School, Webster Elementary School							

Activity - Title I - Garfleld School-Scholastic System 44	Activity Type	Tier	Phase	Begin Date				Staff Responsibl e
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Garfield school staff will provide supplemental reading instruction to eligible third and fourth grade students using Scholastic System 44 and System 180	Academic Support Program			09/06/2016	06/16/2017		Title I Part A	Garfield School Staff
Schools: Garfield Elementary School								
Activity - Title I Schools (k-4) - Guided Reading Instruction	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsibl e
Title I school staff will use the guided reading model to provide supplemental reading instruction to at-risk readers in grades k-4 four to five times each week. Schools: Hayes Elementary School, Cleveland Elementary School, Grant Elementary School, Rosedale Elementary School, Garfield Elementary School	Academic Support Program			09/06/2016	06/16/2017		Title I Part A	Cleveland, Garfield, Grant, Hayes, Rosedale, Schools' Staff
						I		
Activity - Title I Schools - At Home Reading	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsibl e
Title I school staff will provide students with take home reading materials.	Parent Involvemen t			09/06/2016	06/16/2017		Title I Part A	Title I Schools' Staff
Schools: Hayes Elementary School, Cleveland Elementary School, Grant Elementary School, Johnson Upper Elementary School, Rosedale Elementary School, Cooper Upper Elementary School, Garfield Elementary School								
Activity - Title I Schools - Literacy Intervention Staff	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsibl e
Title I schools will provide Supplemental Staffing for the purpose of push-in and/or pull-out literacy intervention to at-risk students using such purchased programs as Leveled Literacy Intervention (LLI), Read 180, Systems 44, Raz Kids, Reading A-Z, and other literacy-based RtI initiatives.	Academic Support Program			09/06/2016	06/16/2017		Title I Part A	Title I Schools' Supplemen tal Staff
Schools: Hayes Elementary School, Cleveland Elementary School, Grant Elementary School, Johnson Upper Elementary School, Rosedale Elementary School, Cooper Upper Elementary School, Garfield Elementary School								
Activity - Title I Schools - Before/After School Literacy Clubs/Tutoring	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsibl e

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Title I school staffs will provide small group supplemental learning opportunities for eligible at-risk students in need of additional learning opportunities to increase their reading/literacy skills. Funds will include staff stipends and snacks for students. Schools: Cleveland Elementary School, Grant Elementary	Academic Support Program			09/06/2016	06/16/2017		Title I Part A	Title I Schools' Staff
School, Johnson Upper Elementary School, Rosedale Elementary School, Cooper Upper Elementary School, Garfield Elementary School								
Activity Title I Failure Free Deading	A ativity	T: 0.4	Dhasa	Desir Date	End Data	Danauran	Course Of	040#
Activity - Title I - Failure Free Reading	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Cleveland School will subscribe to the Failure Free Reading Intervention program for student use. The program will be used to support the most at-risk readers.	Academic Support Program			09/06/2016	06/16/2017		Title I Part A	Cleveland School Staff
Schools: Cleveland Elementary School								
	I					_		
Activity - Title I Schools - Leader in Me Program	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsibl e
Title I school staffs will receive training on, and will implement, the Leader In Me program and the use of the 7 Habits of Highly Effective People. The training staffs receive will lead to training and implementation with students on these programs.	Professiona I Learning			09/06/2016	06/16/2017		Title I Part A	Cleveland, Garfield, Hayes, Cooper Schools'
Schools: Hayes Elementary School, Cleveland Elementary School, Cooper Upper Elementary School, Garfield Elementary School								Staff
	1					_		
Activity - Elementary CCSS Implementation Team	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
The ELA and Social Studies Curriculum Coordinator will lead team members in creating formative and summative assessment tools to support the district's Priority Standards. Schools: Randolph Elementary School, Roosevelt Elementary	Implementa tion			09/12/2016	05/19/2017		General Fund	ELA and Social Studies Curriculum Coordinator
School, Riley Upper Elementary School, Johnson Upper Elementary School, Buchanan Elementary School, Hayes Elementary School, Niji-Iro Japanese Immersion Elementary School, Hoover Elementary School, Cleveland Elementary School, Kennedy Elementary School, Grant Elementary School, Rosedale Elementary School, Cooper Upper Elementary School, Garfield Elementary School, Cass Elementary School, Coolidge Elementary School, Webster Elementary School								and the Elementary CCSS Implementa tion Team

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Activity - Books for Classroom Libraries	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsibl e
The district will provide direction and support to schools for the purchase of student texts to be added to each kindergartenthird grade teacher's classroom library for student use during reading workshop. Schools: Randolph Elementary School, Roosevelt Elementary School, Buchanan Elementary School, Hayes Elementary School, Niji-Iro Japanese Immersion Elementary School, Hoover Elementary School, Cleveland Elementary School, Kennedy Elementary School, Grant Elementary School, Rosedale Elementary School, Garfield Elementary School, Cass Elementary School, Coolidge Elementary School, Webster Elementary School	Materials	Tier 1		09/06/2016	04/21/2017		Other	Chief Academic Officer, ELA and Social Studies Curriculum Coordinator and Elementary Principals
Activity - Title I Schools - Parent Outreach	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsibl e
Title I schools will conduct parent outreach activities such as Leadership Day, Career Day, Math/Science Family Night, Parenting Education Sessions, Leadership Notebook Review, Reading with Your Child, etc.	Parent Involvemen t			09/06/2016	06/16/2017		Title I Part A	Title I Schools' Staff
Schools: Hayes Elementary School, Cleveland Elementary School, Grant Elementary School, Johnson Upper Elementary School, Rosedale Elementary School, Cooper Upper Elementary School, Garfield Elementary School								
Activity - Title I - Leadership Notebooks	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsibl e
Title I school staffs will utilize Student Leadership Notebooks to engage students in setting individual and classroom goals and in collecting and analyzing data related to these goals. Goal attainment will be monitored and parent notification provided. Schools: Hayes Elementary School, Cleveland Elementary School, Cooper Upper Elementary School, Garfield Elementary School	Academic Support Program			09/06/2016	06/16/2017		Title I Schoolwide	Cooper, Cleveland, Garfield, Hayes Schools' Staff
Activity - Title I Schools - Supplemental Reading Materials	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsibl e

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Title I schools will purchase and provide supplemental materials to struggling learners, such as Fountas and Pinnell's Leveled Literacy Intervention program, leveled reading books, non-fiction books covering topics related to science and social studies, Reading A-Z, Raz Kids, Scholastic Readers, Time For Kids, Waterford etc.	Getting Ready	09/06/2016	06/16/2017		Title I Schools' Staff
Schools: Hayes Elementary School, Cleveland Elementary School, Grant Elementary School, Johnson Upper Elementary School, Rosedale Elementary School, Cooper Upper Elementary School, Garfield Elementary School					

Activity - Elementary Literacy Leaders	Activity Type	Tier	Phase	Begin Date	End Date		Staff Responsibl e
The ELA and Social Studies Curriculum Coordinator will provide professional development to the Elementary Literacy Leaders to support implementation of curriculum, instruction and assessment focused on the district's Priority Standards and Standards-based grading. Schools: Randolph Elementary School, Roosevelt Elementary School, Riley Upper Elementary School, Johnson Upper Elementary School, Buchanan Elementary School, Hayes Elementary School, Hoover Elementary School, Cleveland Elementary School, Kennedy Elementary School, Grant Elementary School, Rosedale Elementary School, Cooper Upper Elementary School, Garfield Elementary School, Cass Elementary School, Coolidge Elementary School, Webster Elementary School	Implementa tion			09/06/2016	05/19/2017	Title II Part A, General Fund	ELA and Social Studies Curriculum Coordinator and Elementary Literacy Leaders

Activity - Operation Student Success	Activity Type	Tier	Phase	Begin Date	End Date	Source Of Funding	Staff Responsibl e
The district will provide professional development and support to our elementary staff members as we move forward with implementation of components of the Response to Intervention model to provide support to struggling students in our elementary schools. Timebank will also be used to release teachers on the team to attend OSS meetings throughout the year. Schools: Hayes Elementary School, Randolph Elementary School, Hoover Elementary School, Roosevelt Elementary School, Cleveland Elementary School, Grant Elementary School, Kennedy Elementary School, Rosedale Elementary School, Buchanan Elementary School, Garfield Elementary School, Cass Elementary School, Webster Elementary School, Coolidge Elementary School	Implementa tion			10/07/2016	05/19/2017	General Fund	Director of Elementary and Special Programs, Elementary Administrat ors, Members of the Operation Student Success Team

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Activity - Books for Reading Intervention	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsibl e
All school will receive funds for K-3 to purchase books for use with students during Tier 2 reading intervention and guided reading instruction. Schools: Randolph Elementary School, Roosevelt Elementary School, Buchanan Elementary School, Hayes Elementary School, Niji-Iro Japanese Immersion Elementary School, Hoover Elementary School, Cleveland Elementary School, Kennedy Elementary School, Grant Elementary School, Rosedale Elementary School, Garfield Elementary School, Cass Elementary School, Coolidge Elementary School	Materials	Tier 2	Getting Ready	09/12/2016	11/18/2016		Other	Chief Academic Officer, ELA and Social Studies Curriculum Coordinator and Elementary Principals
Activity - English Learners - Reading Achievement via Technology	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
English Language Department will purchase maintenance licenses for SuccessMaker by Pearson, which is a supplemental literacy program for use with eligible EL students. In addition to SuccessMaker, EL students will also use Waterford, a reading software program, as well as access and use reading improvement websites in order to help improve reading achievement among EL students.	Academic Support Program, Technology			09/06/2016	06/16/2017		Title III	English Language Dept staff
Schools: All Schools								
Activity - Title I Summer Camps	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Livonia Public Schools will run an invitation-only summer camp for identified at-risk, Title I eligible students during the months of July/August . Activities will focus on reading, writing, and mathematics in an effort to stave off "summer brain drain." Schools: Hayes Elementary School, Cleveland Elementary School, Grant Elementary School, Johnson Upper Elementary School, Rosedale Elementary School, Cooper Upper Elementary School, Garfield Elementary School	Academic Support Program			07/11/2016	08/05/2016		Title I Part A	District Title I Coordinator and hired summer staff.
Activity - Title I Schools - i-Ready by Curriculum Associates	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsibl e

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Title I schools will purchase i-Ready student-named licenses for reading. i-Ready offers a web-based adaptive assessment used to track student growth and evaluate Title I interventions, as well as a full instructional package for supplemental learning opportunities in reading.	Technology			09/06/2016	06/08/2017		Title I Part A	Title I building staff
Schools: Hayes Elementary School, Cleveland Elementary School, Grant Elementary School, Johnson Upper Elementary School, Rosedale Elementary School, Cooper Upper Elementary School, Garfield Elementary School								
Activity - Title I - Technology Tools	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsibl e
Title I schools will purchase technology such as laptops, laptop batteries, Chromebooks, computer tablets (iPads, etc), document cameras, and multimedia equipment for students to use with supplemental learning opportunities such as using supplemental software/websites and presenting learning information to students.	Technology			09/06/2016	06/16/2017		Title I Part A	Title I building principals and staff
Schools: Hayes Elementary School, Cleveland Elementary School, Grant Elementary School, Johnson Upper Elementary School, Rosedale Elementary School, Cooper Upper Elementary School, Garfield Elementary School								
Activity - New to Level Teacher Training	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsibl e
Teachers who are new to the district or have made a significant grade level shift will have an opportunity to participate in literacy training. Three half day learning labs will include classroom observations to support professional learning with a focus on reading and writing workshop.	Professiona I Learning	Tier 1	Implement	09/06/2016	02/17/2017		Title II Part A	ELA and Social Studies Curriculum Coordinator
Schools: Randolph Elementary School, Roosevelt Elementary School, Riley Upper Elementary School, Johnson Upper Elementary School, Buchanan Elementary School, Hayes Elementary School, Niji-Iro Japanese Immersion Elementary School, Hoover Elementary School, Cleveland Elementary School, Kennedy Elementary School, Grant Elementary School, Rosedale Elementary School, Cooper Upper Elementary School, Garfield Elementary School, Cass Elementary School, Coolidge Elementary School, Webster Elementary School								
Activity - Elementary Support Teacher	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible

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The elementary support teachers will provide intervention to students in grades K-3 who need support in reading. Schools: Hayes Elementary School, Randolph Elementary School, Hoover Elementary School, Roosevelt Elementary School, Cleveland Elementary School, Grant Elementary School, Kennedy Elementary School, Rosedale Elementary School, Buchanan Elementary School, Garfield Elementary School, Cass Elementary School, Coolidge Elementary School	Academic Support Program	Tier 2	Implement	09/06/2016	06/16/2017		Section 31a	Director of Elementary Services and Programs, Elementary Administrat ors, Elementary Support Teachers
Activity - Elementary Learning Specialists	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
The Elementary Learning Specialists will provide literacy intervention to fifth and sixth grade students in order to improve their reading, writing, speaking, language and listening skills. Schools: Riley Upper Elementary School, Johnson Upper Elementary School, Cooper Upper Elementary School	Academic Support Program	Tier 2	Implement	09/06/2016	06/16/2017		Section 31a	Director of Elementary Services and Programs, Upper Elementary School Administrat ors, Elementary Learning Specialists
Activity - TSLI Intervention	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
The Teachers of Speech and Language Intervention will provide Tier 2 intervention to students in K-4 schools who struggle with reading, writing, speaking, language and listening skills.	Academic Support Program	Tier 2	Implement	09/06/2016	06/16/2017		Section 31a	Jennifer Taiariol
Schools: Hayes Elementary School, Randolph Elementary School, Hoover Elementary School, Roosevelt Elementary School, Cleveland Elementary School, Grant Elementary School, Kennedy Elementary School, Rosedale Elementary School, Buchanan Elementary School, Garfield Elementary School, Cass Elementary School, Coolidge Elementary School								
Activity - i-Ready Diagnostic Reading Assessment	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible

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The district will implement the i-Ready Diagnostic Reading Assessment to be administered to first-sixth grade students three times a year (fall-winter-spring) with the results being used by teachers to differentiate reading instruction for the purpose of monitoring and supporting student reading growth. Schools: Randolph Elementary School, Roosevelt Elementary School, Riley Upper Elementary School, Johnson Upper Elementary School, Buchanan Elementary School, Hayes Elementary School, Niji-Iro Japanese Immersion Elementary School, Hoover Elementary School, Cleveland Elementary School, Kennedy Elementary School, Grant Elementary School, Rosedale Elementary School, Cooper Upper Elementary School, Garfield Elementary School, Cass Elementary School, Coolidge Elementary School, Webster Elementary School	Other - Reading Assessmen t	Tier 1	Implement	09/12/2016	05/19/2017		Section 31a	Chief Academic Officer, Administrat or of Assessmen t, Director of Elementary Programs and Services, Elementary Administrat ors
Activity - i-Ready Reading Instruction	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
The district will provide each school with licenses for the i-Ready Reading Instruction program for use with first-third grade students who are at-risk of not meeting grade level reading standards. This intervention program is in addition to classroom instruction provided by both the teacher and an intervention specialist. Schools: Randolph Elementary School, Roosevelt Elementary School, Buchanan Elementary School, Hayes Elementary School, Niji-Iro Japanese Immersion Elementary School, Hoover Elementary School, Cleveland Elementary School, Kennedy Elementary School, Grant Elementary School, Rosedale Elementary School, Garfield Elementary School, Cass Elementary School, Coolidge Elementary School	Academic Support Program	Tier 2	Implement	10/03/2016	06/16/2017		Other	Chief Academic Officer, Director of Elementary Programs and Services, Elementary Principals
Activity - i-Ready Reading Professional Learning	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsibl e

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The district will provide training to the i-Ready Coaches at the K-4 schools on the Instruction component of i-Ready Reading along with additional professional training to the i-Reading Reading Coaches at all elementary schools on the use of i-Ready Reading results to differentiate instruction based on the student results. Schools: Randolph Elementary School, Roosevelt Elementary School, Riley Upper Elementary School, Johnson Upper Elementary School, Buchanan Elementary School, Hayes Elementary School, Niji-Iro Japanese Immersion Elementary School, Hoover Elementary School, Cleveland Elementary School, Kennedy Elementary School, Grant Elementary School, Rosedale Elementary School, Cooper Upper Elementary School, Garfield Elementary School, Cass Elementary School, Coolidge Elementary School, Webster Elementary School	Professiona I Learning			10/03/2016	05/01/2017		Other, Title II Part A	Chief Academic Officer, Administrat or of Assessmen t, K-12 ELA and Social Studies Curriculum Coordinator
Activity - Priority Standards in Reading	Activity Type	Tier	Phase	Begin Date		Resource Assigned	Source Of Funding	Staff Responsibl e
The district will monitor the implementation of the Priority Standards for Reading to ensure all Michigan Reading Standards are being taught in order for students to meet the Priority Standards. The results of the Standards-based i-Ready Diagnostic Reading Assessment will assist in monitoring the teaching and learning of all Michigan Reading Standards. Schools: Randolph Elementary School, Roosevelt Elementary School, Riley Upper Elementary School, Johnson Upper Elementary School, Buchanan Elementary School, Hayes Elementary School, Niji-Iro Japanese Immersion Elementary School, Hoover Elementary School, Cleveland Elementary School, Kennedy Elementary School, Grant Elementary School, Rosedale Elementary School, Cooper Upper Elementary School, Garfield Elementary School, Cass Elementary School, Coolidge Elementary School, Webster Elementary School	Monitor	Tier 1	Monitor	09/12/2016	06/16/2017		No Funding Required	K-12 ELA and Social Studies Curriculum Coordinator
Activity - Garfield - Title I- Focus School Set Aside	Activity Type	Tier	Phase	Begin Date			Source Of Funding	Staff Responsible
The Garfield staff will participate in professional learning focusing on the work of Growth Mindset by Anna L. Matthews, Strategies for Developing a Growth Mindset in Students by Tim Clue; and Professional Learning Time by Rick and Rebecca DuFour.	Professiona I Learning			09/06/2016	06/16/2017		Title I Schoolwide	Garfield School Principal and staff
Schools: Garfield Elementary School								

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Strategy 2:

Data Analysis - The district will provide training to staff on the analysis of student assessment data to inform instruction using both internal staff and external consultants. Training will occur during professional development days and through teacher release.

Category: English/Language Arts

Research Cited: Data Wise by Kathryn Parker Boudett, Elizabeth A. City, Richard Murnane;

Data Driven Dialogue by Bruce Wellman and Laura Lipton;

Got Data by Bruce Wellman and Laura Lipton

Tier: Tier 1

Activity - Early Literacy Benchmark Assessments	Activity Type	Tier	Phase	Begin Date	End Date	Source Of Funding	Staff Responsibl e
Kindergarten, first and second grade teachers will administer the Fountas and Pinnell Benchmark Assessment System 1 with Comprehension to all students in September and at the end of the school year. Teachers will administer this assessment more frequently to students who are at-risk of not making expected reading growth. Schools: Randolph Elementary School, Roosevelt Elementary School, Buchanan Elementary School, Hayes Elementary School, Niji-Iro Japanese Immersion Elementary School, Hoover Elementary School, Cleveland Elementary School, Kennedy Elementary School, Grant Elementary School, Rosedale Elementary School, Garfield Elementary School, Cass Elementary School, Coolidge Elementary School, Webster Elementary School		Tier 1		09/12/2016	06/09/2017	General Fund	Kindergarte n, First and Second Grade Teachers

Activity - Data Analysis Reports	Activity Type	Tier	Phase	Begin Date		Staff Responsibl
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The ELA and Social Studies Curriculum Coordinator will provide data analysis of district and state literacy assessment results that includes strengths, areas of concern, and instructional recommendations. The analysis will be shared with elementary principals, elementary literacy leaders, special education providers, and all other elementary staff. Schools: Randolph Elementary School, Roosevelt Elementary School, Riley Upper Elementary School, Johnson Upper Elementary School, Buchanan Elementary School, Hayes Elementary School, Niji-Iro Japanese Immersion Elementary School, Hoover Elementary School, Cleveland Elementary School, Kennedy Elementary School, Grant Elementary School, Rosedale Elementary School, Cooper Upper Elementary School, Garfield Elementary School, Cass Elementary School, Coolidge Elementary School, Webster Elementary School	Monitor			10/03/2016	06/09/2017		No Funding Required	ELA and Social Studies Curriculum Coordinator
Activity - OSS - Universal Screener	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsibl e
Teachers conduct Universal Screeners throughout the school year and will analyze the data collected, plan instruction, monitor student progress and determine tiered intervention supports. Schools: Hayes Elementary School, Randolph Elementary School, Hoover Elementary School, Roosevelt Elementary School, Cleveland Elementary School, Grant Elementary School, Kennedy Elementary School, Rosedale Elementary School, Buchanan Elementary School, Garfield Elementary School, Cass Elementary School, Webster Elementary School, Coolidge Elementary School	Professiona I Learning, Monitor	Tier 1		09/12/2016	06/09/2017		No Funding Required	Elementary school principals and teachers
Activity - Focus Schools	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
The K-12 Curriculum Coordinators and the Federal Programs' Grant Coordinator will provide support to the district's Focus Schools to support their efforts to analyze their data, identify areas of improvement, and develop a plan to reduce their achievement gap. Schools: Churchill High School, Garfield Elementary School	Monitor			08/12/2013	05/19/2017		No Funding Required	K-12 Curriculum Coordinator s, Federal Programs' Grant Coordinator , Focus School Principals

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Activity - Data Digs	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned		Staff Responsibl e
digs in their school once each marking period where each	Professiona I Learning, Monitor	Tier 1	Implement	09/12/2016	06/01/2017		No Funding Required	Elementary Principals, Chief Academic Officer and Director of Elementary Programs and Services
Activity - Illuminate Training	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned		Staff Responsibl e
The district's Administrator of Assessment will support schools in accessing the student assessment data in Illuminate for the purpose of monitoring student growth and achievement. Focus will be on i-Ready Diagnostic Assessments and Secondary Common Assessments	Professiona I Learning, Monitor	Tier 1		09/12/2016	05/26/2017		No Funding Required	District's Assessmen t Administrat or
Schools: All Schools								
Activity - Assessment Data and IEPs	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned		Staff Responsible
Special education providers will continue training on how to use assessment data to develop IEP goals.	Professiona I Learning	Tier 2		08/30/2016	06/16/2017		No Funding Required	Director of Student Services
Schools: All Schools								
Activity - WIDA Assessment Data	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned		Staff Responsibl e
	Professiona I Learning	Tier 1		09/06/2016	06/16/2017		No Funding Required	Coordinator of Federal Programs and Grants

Strategy 3:

Social, Emotional and Behavioral Intervention - Identified interventionists will provide social, emotional and behavioral support to students, parent outreach to support student success, and offer suggestions to staff to help with student success in the classroom.

Category:

Research Cited: Causes and Cures in the Classroom; Getting to the Root of Academic and Behavior Problems, Margaret Searle

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Strategies for Teaching Students Who Challenge Us Most, Jeffrey Benson

Tier: Tier 2

Activity - Elementary Student Assistance Provider	Activity Type	Tier	Phase	Begin Date		Resource Assigned	Staff Responsibl e
The elementary student assistance providers will provide behavioral, social and emotional intervention as well as health and medical support to fifth and sixth grade students in the upper elementary schools. They will also provide parent outreach and offer suggestions to staff for working with at-risk students in the classroom setting. Schools: Riley Upper Elementary School, Johnson Upper Elementary School, Cooper Upper Elementary School	Behavioral Support Program	Tier 2	Implement	09/06/2016	06/16/2017		Director of Elementary Programs and Services, Upper Elementary School Principals and Elementary Student Assistance Providers

(shared) Strategy 4:

Collaborative Learning Time - All teachers will engage in Collaborative Learning Time during the district designated dates with a focus on identifying the reading curriculum components they will teach by answering the question "What do we expect students to learn?" By answering this question, teachers will ensure that all students are being provided a consistent viable curriculum.

Category: English/Language Arts

Research Cited: Whatever it Takes, DuFours; Getting Started, DuFours; Strengthening and Enriching Professional Learning Communities, Caine and Caine;

Professional Learning Communities that Work, DuFours

Tier:

Activity - Collaborative Learning Time	Activity Type	Tier	Phase	Begin Date		Resource Assigned	Staff Responsibl e
All teachers will engage in collaborative learning time on the district designated dates and times. Schools: All Schools	Professiona I Learning			09/12/2016	05/19/2017		Chief Academic Officer and School Administrat ors
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Activity - Book Study on PLCs	Activity Type	Tier	Phase	Begin Date				Staff Responsibl e
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The district will purchase the book "Building a Professional Learning Community at Work" for all administrators and engage in a book study to assist with the district-wide implementation of Collaborative Learning Time. Schools: All Schools	Professiona I Learning	Tier 1	Implement	08/22/2016	03/24/2017	Title II Part A	Division of Instruction and School and Central Office Administrat
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Measurable Objective 2:

75% of Seventh and Eighth grade students will demonstrate a proficiency in providing sufficient supporting detail and evidence from the text in their responses to increasingly complex text in English Language Arts by 05/26/2017 as measured by state assessments.

Strategy 1:

Provide Details and Cite Evidence in Responses - All middle school teachers will use strategies for differentiation to support all students and increase their ability to provide details and cite evidence from the text in their responses using increasingly complex text.

Category: English/Language Arts

Research Cited: Notice and Note: Strategies for Close Reading, Kylene Beers and Robert E. Probst;

But I'm Not a Reading Teacher, Amy Benjamin;

Improving Adolescent Literacy: Content Area Strategies that Work, Douglas Fisher and Nancy Frey;

Reading for Understanding: A Guide to Improving Reading Comprehension in Middle and High School Classrooms, Ruth Schoenback, Cynthia Greenleaf, Christine Cziko, Lori Hurwitz;

Reading in the Middle School; Strategies to Enhance Literacy, Judith Irwin

Tier:

Activity - Title I - Middle Schools Success Strategies Class	Activity Type	Tier	Phase	Begin Date			Staff Responsibl e
Emerson Middle School's identified students will be enrolled in a one-hour daily academic support class.	Academic Support Program			09/06/2016	06/16/2017	Title I Schoolwide	Emerson Middle School
Schools: Emerson Middle School							Staff

Activity - Differentiation to Support ALL Readers	Activity Type	Tier	Phase	Begin Date			Staff Responsibl e
The ELA and Social Studies Curriculum Coordinator will provide professional development to the middle school ELA department chairs during their monthly meetings on how to differentiate and support the needs of all readers. Schools: Frost Middle School, Emerson Middle School, Holmes Middle School	Professiona I Learning			09/12/2016	05/26/2017		ELA and Social Studies Curriculum Coordinator and Middle School ELA Department Chairs

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Activity - Title I - Middle School Homework Club	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Emerson Middle School will provide an after school homework club to any student who needs additional support with homework that involves reading.	Academic Support Program			09/06/2016	06/16/2017		Title I Part A	Emerson School Staff
Schools: Emerson Middle School								
Activity - Kelly Gallagher Workshop	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
The district will provide middle school ELA teachers with an opportunity to attend the workshop with Kelly Gallagher at Wayne RESA for the purpose of learning more about strategies for differentiation and supporting the needs of all learners. Schools: Frost Middle School, Emerson Middle School, Holmes Middle School	Professiona I Learning	Tier 1	Getting Ready	09/01/2016	12/23/2016		Title II Part A	ELA and Social Studies Curriculum Coordinator and middle school ELA teachers
Activity - Title I - Middle School The Leader In Me	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Emerson school staff will receive training on, and will implement, the Leader In Me program and the use of the 7 Habits of Highly Effective People. The training staff receives will lead to training and implementation with students on these programs.	Professiona I Learning			09/06/2016	06/16/2017		Title I Schoolwide	Emerson Middle School staff
Schools: Emerson Middle School								
Activity - Title I -Middle School Leadership Notebooks	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Emerson Middle School staff will utilize Student Leadership Notebooks /planners to engage students in setting individual and classroom goals and in collecting and analyzing data related to these goals. Goal attainment will be monitored and parent notification provided.	Academic Support Program			09/06/2016	06/16/2017		Title I Schoolwide	Emerson Middle School staff
Schools: Emerson Middle School								
Activity - Title I Schools -Middle School i-Ready by Curriculum Associates	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible

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Title I- Emerson Middle School will purchase i-Ready student- named licenses for reading. i-Ready offers both a web-based adaptive assessment used to track student growth and evaluate Title I interventions, as well as a full instructional package for supplemental learning opportunities in reading.	Technology	09/01/2016	06/16/2017	Title I Part A	Title I building staff
Schools: Emerson Middle School					

Activity - Title I - Middle School Technology Tools	Activity Type	Tier	Phase	Begin Date	End Date		Staff Responsibl e
Emerson Middle School will purchase technology such as interactive whiteboard software, laptops, Chromebooks, computer tablets (iPads, etc), document cameras, and multimedia equipment for students to use with supplemental learning opportunities such as using supplemental software/websites and presenting learning information to students.	Technology			09/06/2016	06/16/2017	Title I Part A	Title I building principals and staff
Schools: Emerson Middle School							

Strategy 2:

Secondary Counselors - The secondary counselors will provide social, emotional, and behavioral support to at-risk middle school and high school students.

Category:

Research Cited: Causes and Cures in the Classroom; Getting to the Root of Academic and Behavior Problems, Margaret Searle

Strategies for Teaching the Students Who Challenge Us Most, Jeffrey Benson

Tier: Tier 2

Activity - Middle School Counselors	Activity Type	Tier	Phase	Begin Date			Staff Responsibl e
The middle school counselors will provide emotional, social and behavioral support to at-risk students to help them overcome barriers which impede their success in school. Schools: Frost Middle School, Emerson Middle School, Holmes Middle School	Preparation /Orientation , Behavioral		Implement	09/06/2016	06/16/2017		Steve Archibald, Middle School Principals, and Middle School Counselors

Activity - Student Assistance Providers	Activity Type	Tier	Phase	Begin Date		Staff Responsibl
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The Student Assistance Providers will offer social, emotional and behavioral support to at-risk students to help them overcome barriers which impede their success in school. They will also provide parent outreach and offer suggestions to staff on strategies that encourage student success in the classroom. Schools: Frost Middle School, Emerson Middle School, Holmes Middle School		Tier 2	Implement	09/06/2016	06/16/2017		Steve Archibald, Middle School Principals, Student Assistance Providers
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(shared) Strategy 3:

Collaborative Learning Time - All teachers will engage in Collaborative Learning Time during the district designated dates with a focus on identifying the reading curriculum components they will teach by answering the question "What do we expect students to learn?" By answering this question, teachers will ensure that all students are being provided a consistent viable curriculum.

Category: English/Language Arts

Research Cited: Whatever it Takes, DuFours; Getting Started, DuFours; Strengthening and Enriching Professional Learning Communities, Caine and Caine;

Professional Learning Communities that Work, DuFours

Tier:

Activity - Collaborative Learning Time	Activity Type	Tier	Phase	Begin Date			Staff Responsibl e
All teachers will engage in collaborative learning time on the district designated dates and times. Schools: All Schools	Professiona I Learning			09/12/2016	05/19/2017		Chief Academic Officer and School Administrat ors

	Activity Type	Tier	Phase	Begin Date			Staff Responsibl e
The district will purchase the book "Building a Professional Learning Community at Work" for all administrators and engage in a book study to assist with the district-wide implementation of Collaborative Learning Time. Schools: All Schools	Professiona I Learning	Tier 1	Implement	08/22/2016	03/24/2017	A	Division of Instruction and School and Central Office Administrat ors

Measurable Objective 3:

75% of Ninth, Tenth, Eleventh and Twelfth grade students will demonstrate a proficiency in close and critical reading of increasingly complex text in English Language Arts by 04/28/2017 as measured by state assessments.

Strategy 1:

Close and Critical Reading of Increasingly Complex Text - The high school ELA and social studies teachers will use strategies for differentiation to support all students

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and increase their ability to read closely and critically.

Category: English/Language Arts

Research Cited: Notice and Note; Strategies for Close Reading, Kylene Beers and Robert E. Probst; Deeper Reading, Kelly Gallagher; Reading for Understanding,

Ruth Schoenbach, Cynthia Greenleaf, Christine Cziko and Lori Hurwitz

Tier:

Activity - HS ELA Dept. Chairs - Differentiation to Support ALL Readers	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsibl e
The ELA and Social Studies Curriculum Coordinator will provide professional development to high school ELA department chairs during their monthly meetings on strategies for differentiating instruction to meet the needs of ALL readers. Schools: Franklin High School, Stevenson High School, Churchill High School	Professiona I Learning		Getting Ready	09/12/2016	05/26/2017		No Funding Required	ELA and Social Studies Curriculum Coordinator and High School ELA Department Chairs
Activity - SAT Reading Analysis	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsibl e
The ELA and Social Studies Curriculum Coordinator will provide an analysis of the 2016 SAT reading results for high school principals, ELA department chairs, special education department chairs and other key leadership staff. Schools: Franklin High School, Stevenson High School, Churchill High School	Monitor			08/09/2016	11/18/2016		No Funding Required	ELA and Social Studies Curriculum Coordinator
Activity - Alignment to CCSS	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Through the leadership of the ELA and Social Studies Curriculum Coordinator, the high school ELA alignment committee will create a curriculum document that reflects instructional shifts and articulates alignment of the curriculum to Michigan's ELA standards. Schools: Franklin High School, Stevenson High School, Churchill High School	Getting Ready			09/12/2016	05/19/2017		Other	ELA and Social Studies Curriculum Coordinator and the High School ELA Alignment Committee
Activity - Professional Learning on SAT	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsibl e

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High School ELA and social studies teachers will attend a full day of training on the November 8 PD Day focusing on the analysis of an argument. Schools: Franklin High School, Stevenson High School, Churchill High School	Professiona I Learning	Tier 1	Getting Ready	11/08/2016	11/08/2016	Title II Part A	ELA and Social Studies Curriculum Coordinator and Susan Golab, Oakland School consultant
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Activity - IB Conferences	Activity Type	Tier	Phase	Begin Date			Staff Responsible
Two IB Teachers, Marilee Olson and Jeremy Rheault, will each attend an IB Conference during the 2016-17school year. Schools: Franklin High School	Professiona I Learning	Tier 1	Getting Ready	10/03/2016	11/18/2016	Α	Sheila Alles and Daniel Willenborg

Strategy 2:

Social, Emotional and Behavioral Support - Identified staff will provide social, emotional and behavioral support to at-risk students to help them overcome barriers which impede their success in school.

Category:

Research Cited: Causes and Cures in the Classroom; Getting to the Root of Academic and Behavior Problems, Margaret Searle

Strategies for Teaching the Students Who Challenge Us Most, Jeffrey Benson

Tier: Tier 2

Activity - High School Counselors	Activity Type	Tier	Phase	Begin Date			Staff Responsibl e
The high school counselors will provide social, emotional and behavioral support to at-risk students to help them overcome barriers which are impeding their success in school. Schools: Franklin High School, Stevenson High School, Churchill High School	Career Preparation /Orientation , Behavioral Support Program		Implement	09/06/2016	06/16/2017		Steve Archibald, High School Principals, High School Counselors

Activity - Student Assistance Providers	Activity Type	Tier	Phase	Begin Date		Staff Responsibl
						e

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The Student Assistance Providers will offer social, emotional and behavioral support to at-risk students to help them overcome barriers which impede their success in school. They will also provide parent outreach and offer suggestions to staff on strategies that encourage student success in the classroom. Schools: Franklin High School, Stevenson High School, Churchill High School		Tier 2	Implement	09/06/2016	06/16/2017		Steve Archibald, High School Principals, Student Assistance Providers
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(shared) Strategy 3:

Collaborative Learning Time - All teachers will engage in Collaborative Learning Time during the district designated dates with a focus on identifying the reading curriculum components they will teach by answering the question "What do we expect students to learn?" By answering this question, teachers will ensure that all students are being provided a consistent viable curriculum.

Category: English/Language Arts

Research Cited: Whatever it Takes, DuFours; Getting Started, DuFours; Strengthening and Enriching Professional Learning Communities, Caine and Caine;

Professional Learning Communities that Work, DuFours

Tier:

Activity - Collaborative Learning Time	Activity Type	Tier	Phase	Begin Date			Staff Responsibl e
All teachers will engage in collaborative learning time on the district designated dates and times. Schools: All Schools	Professiona I Learning			09/12/2016	05/19/2017		Chief Academic Officer and School Administrat ors

	Activity Type	Tier	Phase	Begin Date			Staff Responsibl e
l	Professiona I Learning	Tier 1	Implement	08/22/2016	03/24/2017		Division of Instruction and School and Central Office Administrat ors

Goal 2: All students in the Livonia Public Schools will be proficient writers.

Measurable Objective 1:

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65% of Kindergarten, First, Second, Third, Fourth, Fifth and Sixth grade students will demonstrate a proficiency in producing clear and coherent writing in which the development, organization, and style are appropriate to task, purpose and audience in English Language Arts by 06/01/2022 as measured by state assessments.

Strategy 1:

Informational and Opinion/Argument Writing in K-6 Classrooms - All kindergarten through sixth grade teachers will teach students srategies and skills to develop clear and coherent informational and opinion/argument writing products.

Category:

Research Cited: Nonfiction Writing: Procedures and Reports, Lucy Calkins and Laurie Pessah;

Units of Study in Opinion, Information, and Narrative Writing Elementary Series: A Common Core Workshop Curriculum, Lucy Calkins

Writing Essentials, Reggie Routman;

Assessing Writing, Carl Anderson

Writing about Reading: From Book Talk to Literary Essays, Grades 3-8, Janet Angelilo

What a Writer Needs, Ralph Fletcher

Mentor Text: Teaching Writing Through Children's Literature, K-6, Lynne Dorfman and Rose Cappelli

Tier: Tier 1

Activity Type	Tier	Phase	Begin Date		Source Of Funding	Staff Responsibl e
Parent Involvemen t			09/06/2016	06/16/2017	Title I Part A	Title I Schools' Staff

Activity - Title I Schools - Leadership Notebooks	Activity Type	Tier	Phase	Begin Date			Staff Responsibl e
Title I school staffs will utilize Student Leadership Notebooks to engage studetns in setting individual and classroom goals and in collecting and analyzing data related to these goals. Goal attainment will be monitored and parent notification provided. Schools: Hayes Elementary School, Cleveland Elementary School, Cooper Upper Elementary School, Garfield Elementary School	Support Program			09/06/2016	06/16/2017	Schoolwide	Cooper, Garfield, Cleveland, Hayes Schools' Staff

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Activity - Title I Schools - Title I Interventionist	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Titel I School Interventionists will provide struggling learners with support in writing and also provide behavioral and academic interventions such as small group instruction, homework support/tutoring, push-in/pull-out instruction methods, and mentoring.	Academic Support Program			09/06/2016	06/16/2017		Title I Part A	Title I Schools' Title I Intervention ists
Schools: Hayes Elementary School, Roosevelt Elementary School, Cleveland Elementary School, Johnson Upper Elementary School, Rosedale Elementary School, Cooper Upper Elementary School, Garfield Elementary School								
Activity - Assessing Writing	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsibl e
Elementary Literacy Leaders will participate in professional learning to study the writing of three students over the course of the school year as a means of monitoring student writing progress and planning instruction. Schools: Randolph Elementary School, Riley Upper Elementary School, Roosevelt Elementary School, Johnson Upper Elementary School, Hayes Elementary School, Niji-Iro Japanese Immersion Elementary School, Hoover Elementary School, Cleveland Elementary School, Kennedy Elementary School, Grant Elementary School, Rosedale Elementary School, Cooper Upper Elementary School, Garfield Elementary School, Cass Elementary School, Coolidge Elementary School, Webster Elementary School	Professiona I Learning	Tier 1	Getting Ready	09/06/2016	05/26/2017		No Funding Required	K-12 ELA and Social Studies Curriculum Coordinator and Elementary Literacy Leaders
Activity - Title I Schools - Leader in Me Program	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Title I school staffs will receive training on, and will implement, the Leader In Me program and the use of the 7 Habits of Highly Effective People. The training staff receives will lead to training and implementation with students on these programs.	Professiona I Learning			09/06/2016	06/16/2017		Title I Part A	Title I Schools' Staff
Schools: Hayes Elementary School, Cleveland Elementary School, Cooper Upper Elementary School, Garfield Elementary School								
Activity - Title I Schools - Before/After School Literacy Clubs/Tutoring	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsibl e

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Title I school staffs will provide small group supplemental learning opportunities for eligible at-risk students in need of additional learning opportunities to increase their writing skills. Funds will include staff stipends and snacks for students.	Academic Support Program			09/06/2016	06/16/2017		Title I Part A	Title I Schools' Staff
Schools: Hayes Elementary School, Roosevelt Elementary School, Cleveland Elementary School, Johnson Upper Elementary School, Rosedale Elementary School, Cooper Upper Elementary School, Garfield Elementary School								
Activity - Title I Summer Camps	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsibl e
Livonia Public Schools will run an invitation-only summer camp for identified at-risk, Title I eligible students during the month of July/August . Activities will focus on reading, writing, and mathematics in an effort to stave off "summer brain drain." Schools: Hayes Elementary School, Roosevelt Elementary School, Cleveland Elementary School, Johnson Upper Elementary School, Rosedale Elementary School, Cooper Upper Elementary School, Garfield Elementary School	Academic Support Program			07/11/2016	08/05/2016		Title I Part A	District Title I Coordinator and hired summer staff
Activity - PD on Analysis of M-STEP Assessment Results	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
The ELA and Social Studies Curriculum Coordinator will analyze the M-STEP assessment results for writing and provide training to elementary staff on how to use her analysis as a model to analyze their school/grade/classroom results. Schools: Randolph Elementary School, Roosevelt Elementary School, Riley Upper Elementary School, Johnson Upper Elementary School, Buchanan Elementary School, Hayes Elementary School, Niji-Iro Japanese Immersion Elementary School, Hoover Elementary School, Cleveland Elementary School, Kennedy Elementary School, Grant Elementary School, Rosedale Elementary School, Cooper Upper Elementary School, Garfield Elementary School, Cass Elementary School, Coolidge Elementary School, Webster Elementary School	Professiona I Learning	Tier 1	Implement	08/15/2016	11/18/2016		Title II Part A	ELA and Social Studies Curriculum Coordinator

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The district will monitor the implementation of the Priority Standards for Writing to ensure all Michigan Writing Standards are being taught in order for students to meet the Priority Standards. The K-12 ELA/Social Studies Curriculum Coordinator will collect student writing samples at each grade level, K-6, analyze the writing using Writing Pathways Assessment Tools, and share the analysis with Literacy Leaders, Elementary Curriculum Advisory Team and others.	Monitor	Tier 1	Monitor	09/12/2016	06/09/2017	No Funding Required	K-12 ELA and Social Studies Curriculum Coordinator
Schools: Randolph Elementary School, Roosevelt Elementary School, Riley Upper Elementary School, Johnson Upper Elementary School, Buchanan Elementary School, Hayes Elementary School, Niji-Iro Japanese Immersion Elementary School, Hoover Elementary School, Cleveland Elementary School, Kennedy Elementary School, Grant Elementary School, Rosedale Elementary School, Cooper Upper Elementary School, Garfield Elementary School, Cass Elementary School, Coolidge Elementary School, Webster Elementary School							

(shared) Strategy 2:

Collaborative Learning Time - All teachers will engage in Collaborative Learning Time during the district designated dates with a focus on identifying the writing curriculum components they will teach by answering the question "What do we expect students to learn?" By answering this question, teachers will ensure that all students are being provided a consistent viable curriculum.

Category: English/Language Arts

Research Cited: Professional Learning Communities at Work, DuFours; Whatever it Takes, DuFours; Strengthening and Enriching Professional Learning Communities,

Caine and Caine; Getting Started, DuFours

Tier:

Activity - Collaborative Learning Time	Activity Type	Tier	Phase	Begin Date			Staff Responsibl e
All teachers will engage in collaborative learning teams during the district designated dates and times. Schools: All Schools	Professiona I Learning			09/12/2016	05/19/2017		Chief Academic Officer and School Adminstrat ors

Measurable Objective 2:

66% of Seventh and Eighth grade students will demonstrate a proficiency in producing clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience in English Language Arts by 05/26/2017 as measured by state assessments.

Strategy 1:

Writers' Workshop Approach to Teaching Writing - All middle school ELA teachers will use strategies for differentiation to support the needs of all students. Strategies include using a workshop approach to teaching writing and modifying the curriculum to include student choice in writing.

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Category: English/Language Arts

Research Cited: They Say, I Say, Gerald Graff and Cathy Birkenstein;

Teaching Adolescent Writers, Kelly Gallagher; Teaching Middle School Writers, Laura Robb;

10 Things Every Writer Needs to Know, Jeff Anderson;

Everyday Editing, Jeff Anderson

Tier:

Activity - Title I - Middle School Success Strategies Class	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsibl e
Emerson Middle School will identify students to be enrolled in a one-hour daily academic support class. Schools: Emerson Middle School	Academic Support Program			09/06/2016	06/16/2017		Title I Part A	Emerson Middle School Staff
Activity - Title I - Middle School Leadership Notebooks	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Emerson Middle School staff will utilize Student Leadership Notebooks to engage students in setting individual and classroom goals and in collecting and analyzing data related to these goals. Goal attainment will be monitored and parent notification provided.	Academic Support Program			09/06/2016	06/16/2017		Title I Schoolwide	Emerson Middle School Staff
Schools: Emerson Middle School								
Activity - Title I - Middle School Homework Club	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Emerson Middle School will offer an after school homework club available to any student who needs additional support for completing homework that requires writing.	Academic Support Program			09/06/2016	06/16/2017		Title I Schoolwide	Emerson Middle School Staff
Schools: Emerson Middle School								
Activity - Title I - The Leader In Me	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Emerson Middle School staff will receive training on, and will implement, the Leader In Me program and the use of the 7 Habits of Highly Effective People. The training staff receives will lead to training and implementation with students on these programs.	Professiona I Learning			09/06/2016	06/16/2017		Title I Schoolwide	Emerson Middle School Staff
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Schools: Emerson Middle School

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Activity - Title I - Middle School Summer Writing Programs	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Emerson Middle School students will have the opportunity to attend Emerson Edge (7th graders) or Franklin Focus (8th graders) summer writing programs focused on improving student writing.	Academic Support Program			08/03/2016	08/23/2016		Title I Part A	Emerson ELA teachers
Schools: Emerson Middle School								
Activity - Grammar Resource	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Under the direction of the ELA and Social Studies Curriculum Coordinator, the Middle School ELA Committee will identify best practices for grammar instruction and grammar resources for use in writing workshop.	Professiona I Learning	Tier 1		09/26/2016	05/26/2017		General Fund	ELA and Social Studies Curriculum Coordinator
Schools: Frost Middle School, Emerson Middle School, Holmes Middle School								and Middle School MAISA Team
Activity - Middle School ELA Professional Learning	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsibl e
The ELA and Social Studies Curriculum Coordinator will meet with middle school ELA department chairs for the purpose of planning professional learning opportunities to increase writing stamina and volume and to support grammar instruction. Schools: Frost Middle School, Emerson Middle School, Holmes Middle School	Professiona I Learning	Tier 1	Implement	09/12/2016	05/26/2017		No Funding Required	ELA and Social Studies Curriculum Coordinator and Middle School ELA Department Chairs
Activity - Analysis of M-STEP Writing Results	Activity	Tier	Phase	Begin Date	End Date	Resource	Source Of	Staff
Activity - Arialysis of W-STEP Writing Results	Type	riei	riiase	begin bate	Eliu Dale	Assigned	Funding	Responsibl e
The ELA and Social Studies Curriculum Coordinator will provide a written analysis of the 2016 M-STEP writing results and will provide training to middle school ELA staff on how to use this analysis as a model for conducting their own school/grade/class analysis of student writing results.	Professiona I Learning	Tier 1	Implement	08/09/2016	11/18/2016		Title II Part A	ELA and Social Studies Curriculum Coordinator
Schools: Frost Middle School, Emerson Middle School, Holmes Middle School								

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Activity - Grammar Professional Development	Activity Type	Tier	Phase	Begin Date			Staff Responsible
The district will provide a consultant for the purpose of providing middle school ELA teachers with training on current best practices for grammar instruction during the November 8, PD Day. Schools: Frost Middle School, Emerson Middle School, Holmes Middle School	Professiona I Learning		Getting Ready	11/08/2016	11/08/2016		K-12 ELA and Social Studies Curriculum Coordinator

(shared) Strategy 2:

Collaborative Learning Time - All teachers will engage in Collaborative Learning Time during the district designated dates with a focus on identifying the writing curriculum components they will teach by answering the question "What do we expect students to learn?" By answering this question, teachers will ensure that all students are being provided a consistent viable curriculum.

Category: English/Language Arts

Research Cited: Professional Learning Communities at Work, DuFours; Whatever it Takes, DuFours; Strengthening and Enriching Professional Learning Communities,

Caine and Caine; Getting Started, DuFours

Tier:

Activity - Collaborative Learning Time	Activity Type	Tier	Phase	Begin Date			Staff Responsibl e
All teachers will engage in collaborative learning teams during the district designated dates and times. Schools: All Schools	Professiona I Learning			09/12/2016	05/19/2017		Chief Academic Officer and School Adminstrat ors

Measurable Objective 3:

66% of Ninth, Tenth, Eleventh and Twelfth grade students will demonstrate a proficiency in writing required by the CCSS in English Language Arts by 04/21/2017 as measured by state assessments.

Strategy 1:

Types of Writing Aligned to Michigan Standards - All high school ELA teachers will use strategies to differentiate instruction to support all students with crafting an effective writing product aligned to Michigan's Standards for ELA.

Category: English/Language Arts

Research Cited: Teaching Argument Writing, Grades 6-12, George Hillocks; Teaching Adolescent Writers, Kelly Gallagher; Because Writing Matters, National Writing

Project and Carl Nagin

Tier: Tier 1

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Activity - Alignment to Michigan Standards	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsibl e
Under the direction of the ELA and Social Studies Curriculum Coordinator the high school ELA alignment committee will align the high school ELA curriculum to the Michigan Standards by creating a curriculum document to outline the type of writing and the type of instructional shifts reflected in the Michigan Standards for writing. Schools: Franklin High School, Stevenson High School, Churchill High School	Getting Ready	Tier 1	Getting Ready	09/12/2016	05/26/2017		Title II Part A	ELA and Social Studies Curriculum Coordinator and High School ELA Alignment Committee
	I	I	I			_		a
Activity - High School ELA Department Chairs	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsibl e
The ELA and Social Studies Curriculum Coordinator will include an agenda item on monthly meetings with the high school ELA department chairs to support strategies for differentiation and to support the ELA needs of all learners. Schools: Franklin High School, Stevenson High School, Churchill High School	Monitor	Tier 1	Monitor	09/12/2016	05/26/2017		No Funding Required	ELA and Social Studies Curriculum Coordinator and High School ELA Department Chairs
Activity - SAT Writing Analysis	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
The ELA and Social Studies Curriculum Coordinator will provide an analysis of the 2016 SAT writing results that includes strengths, areas noted for improvement, and instructional recommendations. This written analysis will be communicated to high school principals, ELA department chairs, special education department chairs and other key leadership staff and used as a model for conducting individual school/class results. Schools: Franklin High School, Stevenson High School,	Monitor	Tier 1	Evaluate	08/09/2016	11/18/2016		No Funding Required	ELA and Social Studies Curriculum Coordinator
Churchill High School								
Activity - Professional Learning on SAT	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsibl
								e

Livonia Public Schools

High School ELA and social studies teachers will attend a full day of training on the November 8 PD Day focusing on the analysis of a written argument as required on the SAT. Schools: Franklin High School, Stevenson High School, Churchill High School	Professiona I Learning	Tier 1	Getting Ready	11/08/2016	11/08/2016		Title II Part A	ELA and Social Studies Curriculum Coordinator
Activity - Learning Lab to Support Differentiation	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
High school ELA and Social Studies Department Chairs will participate in job embedded professional learning to support differentiation to meet the needs of all learners. Schools: Franklin High School, Stevenson High School, Churchill High School	Professiona I Learning	Tier 1	Getting Ready	10/03/2016	04/14/2017		Title II Part A	K-12 ELA and Social Studies Curriculum Coordinator
Activity - Penny Kittle Workshop	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned		Staff Responsible
High school teachers will have an opportunity to attend a Penny Kittle workshop at Wayne RESA to learn about writing workshop as an approach to providing differentiated instruction to meet the needs of all learners. Schools: Franklin High School, Stevenson High School, Churchill High School	Professiona I Learning	Tier 1	Getting Ready	09/19/2016	12/23/2016		Title II Part A	K-12 ELA and Social Studies Curriculum Coordinator

(shared) Strategy 2:

Collaborative Learning Time - All teachers will engage in Collaborative Learning Time during the district designated dates with a focus on identifying the writing curriculum components they will teach by answering the question "What do we expect students to learn?" By answering this question, teachers will ensure that all students are being provided a consistent viable curriculum.

Category: English/Language Arts

Research Cited: Professional Learning Communities at Work, DuFours; Whatever it Takes, DuFours; Strengthening and Enriching Professional Learning Communities,

Caine and Caine; Getting Started, DuFours

Tier:

Activity - Collaborative Learning Time	Activity Type	Tier	Phase	Begin Date			Source Of Funding	Staff Responsible
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Livonia Public Schools

All teachers will engage in collaborative learning teams during the district designated dates and times. Schools: All Schools	Professiona I Learning	09/12/2016	05/19/2017	No Funding Required	Academic Officer and School
					Adminstrat
					ors

Goal 3: All students in Livonia Public Schools will be proficient in mathematics.

Measurable Objective 1:

60% of Seventh and Eighth grade students will demonstrate a proficiency in their ability to understand and make sense of problems in Mathematics by 06/01/2017 as measured by state math assessments .

Strategy 1:

Math Tasks - All middle school math teachers will provide students with explicit instruction on the Eight Mathematical Practices through the regular use of math tasks in their classroom instruction by teaching the Big Ideas Math program with fidelity. Teachers will provide students with opportunities to solve real world and mathematical problems with a variety of appropriate mathematical content.

Category:

Research Cited: Teaching Mathematics in Grades 6-12: Developing Research-based Instructional Practices, R.E. Groth; Mathematical Tasks and Student Cognition: Classroom-based Factors that Support and Inhibit High-Level Mathematical Thinking and Reasoning, Marjorie Henningsen and Mary Kay Stein Tier:

	Activity Type	Tier	Phase	Begin Date			Staff Responsibl e
Emerson Middle School will offer a one-hour, daily Success Strategies Class for identified students.	Academic Support Program			09/06/2016	06/16/2017	Schoolwide	Emerson Middle School
Schools: Emerson Middle School	rogiam						Staff

	Activity Type	Tier	Phase	Begin Date			Staff Responsibl e
The Math and Science Curriculum Coordinator will provide professional development on the Eight Mathematical Practices and the CCSS for Mathematical Content to secondary math teachers, secondary math department chairs, and provide other math related professional development activities as listed in the Math Goal or that occur throughout the school year based on need. Schools: All Schools	Professiona I Learning			08/09/2016	06/23/2017		Mathematic s and Science Curriculum Coordinator

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Activity - Middle School Department Chair Meetings	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsibl e
The Math and Science Curriculum Coordinator will include an agenda item on monthly meetings to discuss the use of math tasks and other instructional shifts in middle school math classes, share websites, disseminate webinar opportunities, and share articles on content topics as well as best practices for teaching them. Another agenda item to be included on the monthly meetings is a review of the 2016 M-STEP Math results and a discussion of strategies and interventions to support students who struggle with math. Schools: Frost Middle School, Emerson Middle School, Holmes	Implementa tion		Implement	08/09/2016	06/30/2017		No Funding Required	Math and Science Curriculum Coordinator and Middle School Math Department Chairs
Middle School								
Activity - Title I - Middle School Homework Club	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Emerson Middle School will offer an after school homework club available to any student who needs additional support in math.	Academic Support Program			09/06/2016	06/16/2017		Title I Schoolwide	Emerson Middle School Staff
Schools: Emerson Middle School								O.a.i
Activity - Title I - Middle School Leadership Notebooks	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Emerson Middle School staff will utilize Student Leadership Notebooks/ Planners to engage students in setting individual and classroom goals and in collecting and analyzing data related to these goals. Goal attainment will be monitored and parent notification provided.	Academic Support Program			09/06/2016	06/16/2017		Title I Schoolwide	Emerson Middle School Staff
Schools: Emerson Middle School								
Activity - Title I Schools - Middle School i-Ready by Curriculum Associates	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Title I -Emerson Middle School will purchase i-Ready student- named licenses for math. i-Ready offers a web-based adaptive assessment used to track student growth and evaluate Title I interventions, as well as a full instructional package for supplemental learning opportunities in math.	Technology			09/06/2016	06/16/2017		Title I Part A	Title I building staff
Schools: Emerson Middle School								

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Activity - PD on M-STEP Analysis	Activity Type	Tier	Phase	Begin Date		Resource Assigned		Staff Responsibl e
The Math and Science Curriculum Coordinator will provide an analysis of the 2016 M-STEP math results that will include a strand analysis, strengths, areas of concern and instructional recommendations. The written analysis will be communicated to middle school principals, math department chairs, special education department chairs and other key leadership staff which can be used by math teachers as a model for conducting an analysis of their school/grade/class results. Schools: Frost Middle School, Emerson Middle School, Holmes Middle School				08/09/2016	11/18/2016		Title II Part A	Math and Science Curriculum Coordinator

(shared) Strategy 2:

Collaborative Learning Time - All teachers will engage in Collaborative Learning Time during the district designated dates with a focus on identifying the mathematics curriculum components they will teach by answering the question "What do we expect students to learn?" By answering this question, teachers will ensure that all students are being provided a consistent viable curriculum.

Category: Mathematics

Research Cited: Learning by Doing, DuFours; Getting Started, DuFours; Whatever it Takes, DuFours; Strengthening and Enriching Professional Learning Communities,

Caine and Caine

Tier: Tier 1

Activity - Collaborative Learning Time	Activity Type	Tier	Phase	Begin Date			Staff Responsibl e
All teachers will engage in collaborative learning time on the district designated dates and times. Schools: All Schools	Professiona I Learning		Implement	09/12/2016	06/02/2017	·	Chief Academic Officer and School Administrat ors

Measurable Objective 2:

60% of Kindergarten, First, Second, Third, Fourth, Fifth and Sixth grade students will demonstrate a proficiency in their ability to understand and make sense of problems in Mathematics by 06/01/2017 as measured by state math assessments.

Strategy 1:

Mathematical Practice 1: Make Sense of Problems and Persevere in Solving Them - All kindergarten - sixth grade teachers will provide students with explicit instruction on Standards of Mathematical Practice #1: Make Sense of Problems and Persevere in Solving Them.

Category: Mathematics

Research Cited: A Collection of Performance Tasks and Rubrics, Charlotte Danielson; NCSM Great Tasks for Mathematics, K-5, Connie Schrock, Kit Norris, David

Pugalee, Richard Seitz, and Fred Hollingshead

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Tier:

Activity - Title I Schools - Before/After School Math Clubs/Tutoring	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsibl e
Title I school staffs will provide small group supplemental learning opportunities for eligible at-risk students in need of additional learning opportunities to increase their math skills. Funds will include staff stipends and snacks for students.	Academic Support Program			09/06/2016	06/16/2017		Title I Part A	Garfield, Hayes, Cleveland, Cooper, Grant,
Schools: Hayes Elementary School, Cleveland Elementary School, Johnson Upper Elementary School, Rosedale Elementary School, Cooper Upper Elementary School, Garfield Elementary School								Johnson, Rosedale, Schools' Staff
Activity - Title I Schools - Parent Outreach	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Title I schools will conduct parent outreach activities such as Leadership Day, Career Day, Parenting Education Sessions, Leadership Notebook Review, Family Math Skills Night, etc.	Parent Involvemen t			09/06/2016	06/16/2017		Title I Part A	Title I School Staff
Schools: Hayes Elementary School, Cleveland Elementary School, Grant Elementary School, Johnson Upper Elementary School, Rosedale Elementary School, Cooper Upper Elementary School, Garfield Elementary School								
Activity - Title I Schools - Leader in Me Program	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Title I school staffs will receive training on, and will implement, the Leader In Me program and the use of the 7 Habits of Highly Effective People. The training staff receives will lead to training and implementation with students on these programs.	Professiona I Learning			09/06/2016	06/16/2017		Title I Schoolwide	Title I School Staff
Schools: Hayes Elementary School, Cleveland Elementary School, Cooper Upper Elementary School, Garfield Elementary School								
Activity - Title I Schools - Leadership Notebooks	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsibl e

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Title I school staff will utilize Student Leadership Notebooks to engage students in setting individual and classroom goals and in collecting and analyzing data related to these goals. Goal attainment will be monitored and parent notification provided.	Academic Support Program			09/06/2016	06/16/2017		Title I Schoolwide	Title I Schools' Staff
Schools: Hayes Elementary School, Cleveland Elementary School, Cooper Upper Elementary School, Garfield Elementary School								
Activity - Professional Development for Math Coordinator	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsibl e
The Mathematics and Science Curriculum Coordinator will attend local and state conferences and workshops to maintain his professional development on topics related to elementary mathematics.	Professiona I Learning		Implement	07/01/2016	06/30/2017		Title II Part A	Mathematic s and Science Curriculum Coordinator
Schools: Randolph Elementary School, Webster Elementary School, Roosevelt Elementary School, Riley Upper Elementary School, Johnson Upper Elementary School, Buchanan Elementary School, Hayes Elementary School, Niji-Iro Japanese Immersion Elementary School, Hoover Elementary School, Cleveland Elementary School, Kennedy Elementary School, Grant Elementary School, Rosedale Elementary School, Cooper Upper Elementary School, Garfield Elementary School, Cass Elementary School, Coolidge Elementary School								Coordinator
Activity - Title I Schools - Math Interventionist	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Title I school interventionist staff will provide struggling learners with math support and also provide behavioral and academic intervntions such as small group instruction, homework support/tutoring, push-in/pull-out instructional methods, and mentoring.	Academic Support Program			09/06/2016	06/16/2017		Title I Part A	Title I Schools' Title I Intervention ists
Schools: Hayes Elementary School, Cleveland Elementary School, Grant Elementary School, Johnson Upper Elementary School, Rosedale Elementary School, Cooper Upper Elementary School, Garfield Elementary School								
Activity - Math Leaders	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible

Livonia Public Schools

The district's Elementary Math and Science Curriculum Coordinator will facilitate and provide support to Math Leaders on the topics of District Priority Standards in Mathematics, Making Sense of Problems and Persevere in Solving Them, and Standards-based Grading. Opportunities for Learning Lab experience focusing on teaching problem solving in mathematics will be offered. Schools: Randolph Elementary School, Roosevelt Elementary School, Riley Upper Elementary School, Johnson Upper Elementary School, Buchanan Elementary School, Hayes Elementary School, Hoover Elementary School, Cleveland Elementary School, Kennedy Elementary School, Grant Elementary School, Rosedale Elementary School, Cooper Upper Elementary School, Garfield Elementary School, Cass Elementary School, Coolidge Elementary School, Webster Elementary School	Monitor		Monitor	09/12/2016	05/26/2017		Title II Part A	Math and Science Curriculum Coordinator, Elementary Math Leaders, and Elementary Principals
Activity - Title I Summer Camps	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Livonia Public Schools will run an invitation-only summer camp for identified at-risk, Title I eligible students during the months of July/August. Activities will focus on reading, writing, and mathematics in an effort to stave off "summer brain drain." Schools: Hayes Elementary School, Cleveland Elementary School, Grant Elementary School, Johnson Upper Elementary School, Rosedale Elementary School, Cooper Upper Elementary School, Garfield Elementary School	Academic Support Program			07/11/2016	08/05/2016		Title I Part A	District Title I Coordinator and hired summer staff
Activity - Title I Schools - i-Ready by Curriculum Associates	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Title I schools will purchase i-Ready student-named licenses for math. i-Ready offers a web-based adaptive assessment used to track student growth and evaluate Title I interventions, as well as a full instructional package for supplemental learning opportunities in math. Schools: Hayes Elementary School, Cleveland Elementary School, Grant Elementary School, Johnson Upper Elementary School, Rosedale Elementary School, Cooper Upper Elementary School, Garfield Elementary School	Technology			09/06/2016	06/16/2017		Title I Part A	Title I building staff
Activity - Title I Schools - Math resources	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible

Livonia Public Schools

Title I Schools will purchase supplemental math resources to be used with students to provide practice and reinforcement of math skills.	Getting Ready	09/06/2016	06/16/2017		Title I Schools
Schools: Hayes Elementary School, Cleveland Elementary School, Grant Elementary School, Johnson Upper Elementary School, Rosedale Elementary School, Cooper Upper Elementary School, Garfield Elementary School					

Strategy 2:

Everyday Mathematics 4 - The Mathematics and Science Curriculum Coordinator will provide direction and facilitation to K-5 grade teachers on the implementation of the district's newly adopted Everyday Mathematics 4 program.

Category: Mathematics

Research Cited: University of Chicago School of Mathematics Project; Michigan's Mathematics Standards

Tier: Tier 1

Activity - Everyday Mathematics 4 Implementation	Activity Type	Tier	Phase	Begin Date	End Date		Staff Responsibl e
All K-5 grade teachers will receive new Everyday Mathematics 4 teaching resources and student materials. Teachers will be provided a half day of introduction on the implementation of the new program. The Mathematics and Science Curriculum Coordinator will provide a bi-weekly newsletter on math related topics to support elementary teachers. Schools: Randolph Elementary School, Riley Upper Elementary School, Roosevelt Elementary School, Johnson Upper Elementary School, Buchanan Elementary School, Hayes Elementary School, Niji-Iro Japanese Immersion Elementary School, Cleveland Elementary School, Kennedy Elementary School, Grant Elementary School, Rosedale Elementary School, Garfield Elementary School, Cass Elementary School, Coolidge Elementary School, Webster Elementary School	I Learning		Implement	09/12/2016	10/27/2017	Title II Part A	K-12 Mathematic s and Science Curriculum Coordinator

(shared) Strategy 3:

Collaborative Learning Time - All teachers will engage in Collaborative Learning Time during the district designated dates with a focus on identifying the mathematics curriculum components they will teach by answering the question "What do we expect students to learn?" By answering this question, teachers will ensure that all students are being provided a consistent viable curriculum.

Category: Mathematics

Research Cited: Learning by Doing, DuFours; Getting Started, DuFours; Whatever it Takes, DuFours; Strengthening and Enriching Professional Learning Communities,

Caine and Caine

Tier: Tier 1

Livonia Public Schools

Activity - Collaborative Learning Time	Activity Type	Tier	Phase	Begin Date			Staff Responsible
All teachers will engage in collaborative learning time on the district designated dates and times. Schools: All Schools	Professiona I Learning		Implement	09/12/2016	06/02/2017		Chief Academic Officer and School Administrat ors

Measurable Objective 3:

85% of All Students will demonstrate a proficiency in their conceptual understanding and computation fluency in Mathematics by 06/01/2024 as measured by district and state assessments.

Strategy 1:

Priority Standards in Mathematics - All kindergarten-sixth grade teachers and special education providers will provide explicit instruction on the district identified Priority Standards.

Category: Mathematics

Research Cited: Number Talks: Helping Children Build Mental Math and Computation Strategies, Sherry Parrish; Young Mathematicians at Work: Constructing Number

Sense, Addition and Subtraction, Catherine Twomey Fosnot nd Maarten Dolk

Tier: Tier 1

Activity - Title I Schools - Parent Outreach	Activity Type	Tier	Phase	Begin Date			Staff Responsibl e
Title I schools will conduct parent outreach activities such as Leadership Day, Career Day, Parenting Education Sessions, Leadership Notebook Review, Family Math Skills Night, etc. Schools: Hayes Elementary School, Cleveland Elementary School, Grant Elementary School, Rosedale Elementary School, Garfield Elementary School	Parent Involvemen t			09/06/2016	06/16/2017		Garfield, Hayes, Cleveland, Rosedale, Grant School Staff

Activity - Title I Summer Camps	Activity Type	Tier	Phase	Begin Date			Staff Responsibl e
Livonia Public Schools will run an invitation-only summer camp for identified at-risk, Title I eligible students during the month of July. Activities will focus on reading, writing, and mathematics in an effort to stave off "summer brain drain." Schools: Hayes Elementary School, Roosevelt Elementary School, Cleveland Elementary School, Rosedale Elementary School, Garfield Elementary School				07/11/2016	08/05/2016	A	District Title I Coordinator and hired summer staff

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Activity - Title I Schools - i-Ready by Curriculum Associates	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned		Staff Responsibl e
Title I schools will purchase i-Ready student-named licenses for math. i-Ready offers a web-based adaptive assessment used to track student growth and evaluate Title I interventions, as well as a full instructional package for supplemental learning opportunities in math. Schools: Hayes Elementary School, Cleveland Elementary School, Grant Elementary School, Rosedale Elementary School, Garfield Elementary School	Technology			09/06/2016	06/16/2017		Title I Part A	Title I building staff

Activity - New to Level Teacher Training	Activity Type	Tier	Phase	Begin Date	End Date		Staff Responsibl e
The Math and Science Curriculum Coordinator will provide training on the Everyday Mathematics program or Big Ideas to teachers with a significant grade level shift or new elementary teachers.	Professiona I Learning	Tier 1		09/12/2016	11/04/2016	Title II Part A	Math and Science Curriculum Coordinator
Schools: Randolph Elementary School, Webster Elementary School, Riley Upper Elementary School, Roosevelt Elementary School, Johnson Upper Elementary School, Buchanan Elementary School, Hayes Elementary School, Niji-Iro Japanese Immersion Elementary School, Cleveland Elementary School, Kennedy Elementary School, Grant Elementary School, Rosedale Elementary School, Cooper Upper Elementary School, Garfield Elementary School, Cass Elementary School							

Activity - Formative and Summative Assessment	Activity Type	Tier	Phase	Begin Date	End Date		Staff Responsibl e
The Mathematics and Science Curriculum Coordinator and Elementary Math Leaders will create formative and summative assessments to track the progress of student achievement in district Priority Standards. Schools: Randolph Elementary School, Roosevelt Elementary School, Johnson Upper Elementary School, Buchanan Elementary School, Hayes Elementary School, Niji-Iro Japanese Immersion Elementary School, Hoover Elementary School, Cleveland Elementary School, Kennedy Elementary School, Grant Elementary School, Rosedale Elementary School, Cooper Upper Elementary School, Garfield Elementary School, Cass Elementary School, Coolidge Elementary School, Webster Elementary School	Teacher Collaborati on, Professiona I Learning	Tier 1	Implement	09/12/2016	05/26/2017	'	K-12 Mathematic s and Science Curriculum Coordinator and Elementary Math Leaders

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Activity - Teacher Collaborative Learning Time	Activity Type	Tier	Phase	Begin Date			Staff Responsibl e
Kindergarten-sixth grade teachers will unpack the district's Priority Standards and discuss best methods of instruction and assessment for each. Schools: Randolph Elementary School, Riley Upper Elementary School, Roosevelt Elementary School, Buchanan Elementary School, Hayes Elementary School, Niji-Iro Japanese Immersion Elementary School, Hoover Elementary School, Cleveland Elementary School, Kennedy Elementary School, Grant Elementary School, Rosedale Elementary School, Garfield Elementary School, Cass Elementary School, Coolidge Elementary School, Webster Elementary School	Teacher Collaborati on	Tier 1	Implement	09/12/2016	05/26/2017	'	Elementary Teachers, Elementary Principals, and K-12 Mathematic s and Science Coordinator s

Activity - Monitoring Priority Standards in Math	Activity Type	Tier	Phase	Begin Date	End Date	Source Of Funding	Staff Responsible
The district will monitor the implementation of the Priority Standards for Mathematics to ensure all Michigan Mathematics Standards are being taught in order for students to meet the Priority Standards. The results of the Standards-based i-Ready Diagnostic Mathematics Assessment will assist in monitoring the teaching and learning of all Michigan Math Standards. Schools: Randolph Elementary School, Roosevelt Elementary School, Riley Upper Elementary School, Johnson Upper Elementary School, Buchanan Elementary School, Hayes Elementary School, Niji-Iro Japanese Immersion Elementary School, Hoover Elementary School, Cleveland Elementary School, Kennedy Elementary School, Grant Elementary School, Rosedale Elementary School, Cooper Upper Elementary School, Garfield Elementary School, Cass Elementary School, Coolidge Elementary School, Webster Elementary School	Monitor	Tier 1	Monitor	10/03/2016	06/16/2017	No Funding Required	K-12 Mathematic s and Science Curriculum Coordinator

Strategy 2:

Data Analysis - The district will provide training to classroom and support teachers, special education providers and EL teachers and paraprofessionals on how to analyze student assessment data and use the results to plan instruction.

Category: Mathematics

Research Cited: Teach, Change, Empower; Solutions for Closing the Achievement Gap, Carl Grant

Understanding and Closing Achievement Gaps, Joseph Murphy

Using Data to Close the Achievement Gap, Ruth Johnson

Tier: Tier 1

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Activity - i-Ready Assessment and Student Growth	Activity Type	Tier	Phase	Begin Date		Resource Assigned		Staff Responsible
The district will provide support to teachers and administrators in the use i-Ready Assessment results in mathematics for monitoring students growth, use of results to plan/differentiate instruction, and use for school improvement purposes. The district will be provide guidance and support from consultants from Curriculum Associates on this initiative. Schools: Randolph Elementary School, Roosevelt Elementary School, Riley Upper Elementary School, Johnson Upper Elementary School, Buchanan Elementary School, Hayes Elementary School, Niji-Iro Japanese Immersion Elementary School, Hoover Elementary School, Cleveland Elementary School, Grant Elementary School, Rosedale Elementary School, Cooper Upper Elementary School, Garfield Elementary School, Cass Elementary School, Holmes Middle School, Coolidge Elementary School, Webster Elementary School	Evaluation, Professiona I Learning	Tier 1	Getting Ready	07/11/2016	06/30/2017		A	Division of Instruction, Curriculum Coordinator s and District's Teacher Evaluation Committee

Activity - M-STEP Analysis	Activity Type	Tier	Phase	Begin Date	End Date		Staff Responsible
The district's K-12 Mathematics and Science Coordinator will conduct an analysis of the 2016 M-STEP results identifying the district strengths and challenges. Teams of teachers from all schools will attend an analysis training sessions where the district results will be shared and a process modeled so schools are able to analyze their school/classroom results for school improvement purposes and to improve instruction. Schools: Randolph Elementary School, Roosevelt Elementary School, Riley Upper Elementary School, Johnson Upper Elementary School, Buchanan Elementary School, Hayes Elementary School, Frost Middle School, Niji-Iro Japanese Immersion Elementary School, Hoover Elementary School, Cleveland Elementary School, Kennedy Elementary School, Grant Elementary School, Rosedale Elementary School, Cooper Upper Elementary School, Garfield Elementary School, Cass Elementary School, Holmes Middle School, Coolidge Elementary School, Webster Elementary School	J	Tier 1		09/06/2016	12/23/2016	Title II Part A	K-12 Mathematic s and Science Coordinator

(shared) Strategy 3:

Collaborative Learning Time - All teachers will engage in Collaborative Learning Time during the district designated dates with a focus on identifying the mathematics curriculum components they will teach by answering the question "What do we expect students to learn?" By answering this question, teachers will ensure that all students are being provided a consistent viable curriculum.

Category: Mathematics

Livonia Public Schools

Research Cited: Learning by Doing, DuFours; Getting Started, DuFours; Whatever it Takes, DuFours; Strengthening and Enriching Professional Learning Communities, Caine and Caine

Tier: Tier 1

Activity - Collaborative Learning Time	Activity Type	Tier	Phase	Begin Date			Staff Responsible
All teachers will engage in collaborative learning time on the district designated dates and times. Schools: All Schools	Professiona I Learning		Implement	09/12/2016	06/02/2017		Chief Academic Officer and School Administrat ors

Measurable Objective 4:

A 5% increase of Ninth, Tenth, Eleventh and Twelfth grade students will demonstrate a proficiency in critical thinking and problem solving in Mathematics by 06/17/2016 as measured by the results on the state math assessment.

Strategy 1:

Mathematical Practices and Math Tasks - All high school math teachers will provide students with explicit instruction on the Eight Mathematical Practices through the regular use of math tasks in their classroom instruction. Teachers will provide students with opportunities to solve real world and math problems with a variety of mathematical content.

Category: Mathematics

Research Cited: Teaching Mathematics in Grades 6-12: Developing Research-based Instructional Practices, R.E. Groth; Mathematical Tasks and Student Cognition: Classroom-based Factors that Support and Inhibit High-Level Mathematical Thinking and Reasoning, Marjorie Henningsen and Mary Kay Stein

Tier:

Activity - Learning Lab	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsibl e
The Math and Science Curriculum Coordinator will provide an opportunity for high school math teachers to participate in a Learning Lab experience with a focus on problem solving teaching and learning mathematics. Schools: Franklin High School, Stevenson High School, Churchill High School	Professiona I Learning	Tier 1	Implement	05/26/2017	05/26/2017		Title II Part A	Mathematic s and Science Curriculum Coordinator
Activity - High School Math Department Chair Meetings	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsibl

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The Math and Science Curriculum Coordinator will include an agenda item on monthly meetings to discuss the Standards of Mathematical Practices with an emphasis on Standard #1: Make Sense of Problems and Persevere in Solving Them. Another agenda item to be included on the monthly meetings is a review of the 2016 SAT Math results and a discussion of strategies and interventions to support students who struggle with math. Schools: Franklin High School, Stevenson High School, Churchill High School	Implementa tion		09/12/2016	05/19/2017	Required	Mathematic s and Science Curriculum Coordintor and High School Math Department Chairs
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Activity - Financial Literacy	Activity Type	Tier	Phase	Begin Date			Staff Responsibl e
The district is implementing a new Financial Literacy course for high school mathematics. Teachers of this course will receive training on the new curriculum and online resources for teaching it. Schools: Franklin High School, Stevenson High School, Churchill High School	Curriculum Developme nt, Teacher Collaborati on	Tier 1	Getting Ready	08/15/2016	09/30/2016	Title II Part A	K-12 Mathematic s and Science Curriculum Coordinator and Financial Literacy Teachers

Activity - PD on SAT Math Analysis	Activity Type	Tier	Phase	Begin Date	End Date		Staff Responsibl e
The Math and Science Curriculum Coordinator will provide an analysis of the 2016 SAT math results that will include a strand analysis, strengths, areas of concern and instructional recommendations. The written analysis will be communicated to middle school principals, math department chairs, special education department chairs and other key leadership staff and they will attend training on how to conduct an analysis of their school/grade/class results. Schools: Franklin High School, Stevenson High School, Churchill High School	Other - Assessmen t Analysis	Tier 1	Evaluate	08/09/2016	10/28/2016	Title II Part A	K-12 Mathematic s and Science Curriculum Coordinator

Strategy 2:

Geometry and Algebra - High School Algebra and Geometry teachers will gain a comprehensive understanding the Michigan Mathematics Standards and Practices along with best practices for high school mathematics instruction.

Category: Mathematics

Research Cited: Michigan Mathematics Standards; What Works Clearinghouse; High School Profiles of Mathematically Unprepared College Freshmen.

Tier: Tier 1

Livonia Public Schools

Activity - High School Math Sequence and Textbook Adoption	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsibl e
for teaching high school mathematics, and then identify the	Curriculum Developme nt, Teacher Collaborati on	-		09/12/2016	12/16/2016		General Fund	Mathematic s and Science Curriculum Coordinator and High School Math Teachers

Activity - Algebra Lab	Activity Type	Tier	Phase	Begin Date		Source Of Funding	Staff Responsibl e
In an attempt to transition from B Level courses, Churchill High School has identified a new math course for incoming ninth grade students to replace the previous B level Geometry course. This course is called Algebra Lab for students who need additional support in Algebra before taking Algebra 1. Teachers will be provided time and support for developing curriculum, assessments, and resources for use with students in this class. Schools: Churchill High School	Curriculum Developme nt	Tier 1	Getting Ready	08/09/2016	02/24/2017	General Fund	K-12 Mathematic s and Science Curriculum Coordinator and two Algebra Lab teachers

, ,	Activity Type	Tier	Phase	Begin Date	End Date		Staff Responsibl e
The two Algebra Lab teachers at Churchill High School will receive training in the administration of i-Ready Diagnostic Mathematics, administer the assessment to their students three times a year and use the results to differentiate instruction. Schools: Churchill High School	Professiona I Learning, Technology		Getting Ready	09/12/2016	05/26/2017	Title II Part A	Two Algebra Lab teachers, Chief Academic Officer, Assessmen t Administrat or

(shared) Strategy 3:

Collaborative Learning Time - All teachers will engage in Collaborative Learning Time during the district designated dates with a focus on identifying the mathematics curriculum components they will teach by answering the question "What do we expect students to learn?" By answering this question, teachers will ensure that all students are being provided a consistent viable curriculum.

Category: Mathematics

Livonia Public Schools

Research Cited: Learning by Doing, DuFours; Getting Started, DuFours; Whatever it Takes, DuFours; Strengthening and Enriching Professional Learning Communities, Caine and Caine

Tier: Tier 1

Activity - Collaborative Learning Time	Activity Type	Tier	Phase	Begin Date			Staff Responsibl e
All teachers will engage in collaborative learning time on the district designated dates and times. Schools: All Schools	Professiona I Learning		Implement	09/12/2016	06/02/2017		Chief Academic Officer and School Administrat ors

Goal 4: All students in the Livonia Public Schools will be proficient in science.

Measurable Objective 1:

A 10% increase of Seventh and Eleventh grade students will demonstrate a proficiency in their ability to use process skills (inquiry and reflection) in Science by 05/26/2017 as measured by the seventh grade and eleventh grade science state assessments.

Strategy 1:

Science and Engineering Practices for Middle School Science Teachers - All middle school science teachers will provide students with instruction using the 8 Science and Engineering Practices and provide students with opportunities to use the practices with a variety of appropriate science content.

Category: Science

Research Cited: A Framework for K-12 Science Education: Practices, Crosscutting Concepts, and Core Ideas, National Research Council; Taking Science to School,

Duschl, Schweingruber and Shouse

Tier: Tier 1

Activity - Middle School Science Department Chair Meetings	Activity Type	Tier	Phase	Begin Date			Staff Responsibl e
The Math and Science Curriculum Coordinator will include an agenda item on monthly meetings to discuss the Michigan Science Standards and the Science and Engineering Practices with an emphasis on Developing and Using Models and Engaging in Argument from Evidence. Schools: Frost Middle School, Emerson Middle School, Holmes Middle School		Tier 1	Implement	09/12/2016	05/26/2017	'	Math and Science Curriculum Coordinator and Middle School Science Department Chairs

Livonia Public Schools

Activity - Title I - Middle School Success Strategies Class	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsibl e
Emerson Middle School will offer a one-hour, daily Success Strategies Class for identified students.	Academic Support Program			09/06/2016	06/16/2017		Title I Part A	Emerson Middle School
Schools: Emerson Middle School								Staff
Activity - Title I - Middle School Homework Club	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Emerson Middle School will offer an after school homework club available to any student who needs additional support with science homework.	Academic Support Program			09/06/2016	06/16/2017		Title I Part A	Emerson Middle School Staff
Schools: Emerson Middle School								
Activity - Title I - Middle School The Leader In Me	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Emerson Middle School staff will receive training on, and will implement, the Leader In Me program and the use of the 7 Habits of Highly Effective People. The training staff receives will lead to training and implementation with students on these programs.	Professiona I Learning			09/06/2016	06/16/2017		Title I Schoolwide	Emerson Middle School Staff
Schools: Emerson Middle School								
Activity - BCAMSC Units	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
All seventh grade science teachers will engage students in the labs, activities, student journals, and projects that are included in each of the BCAMSC units for their grade level by teaching the units with fidelity. Schools: Frost Middle School, Emerson Middle School, Holmes Middle School	Implementa tion	Tier 1	Implement	09/07/2016	06/15/2017		General Fund	Math and Science Curriculum Coordinator and seventh grade
								science teachers
Activity - PD on new Science Equipment	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsibl e

Livonia Public Schools

Middle school science teachers will receive training on new science equipment purchased with 2013 Bond Funds dedicated for secondary science courses to bring them into the 21st Century. Schools: Frost Middle School, Emerson Middle School, Holmes Middle School		Tier 1		09/12/2016	02/24/2017		Title II Part A	K-12 Mathematic s and Science Curriculum Coordinator
Activity - PD on M-STEP Science Results	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsibl e
The Mathematics and Science Curriculum Coordinator will provide an analysis of the 2016 M-STEP science results, share this analysis with middle school science department chairs, and assist them in the analysis of their school's results. Schools: Frost Middle School, Emerson Middle School, Holmes Middle School	t Analysis	Tier 1	Evaluate	08/09/2016	10/28/2016		No Funding Required	K-12 Mathematic s and Science Curriculum Coordinator
Activity - PD on Next Generation Science Exemplar	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsibl e
The district will offer middle school science teachers an opportunity to attend the Wayne RESA professional learning series (5 days) on the NGSX.	Professiona I Learning	Tier 1	Getting Ready	09/12/2016	05/26/2017		No Funding Required	K-12 Mathematic s and Science

Strategy 2:

Middle School

Science and Engineering Practices for High School Teachers - All high school science teachers will provide students with instruction using the 8 Science and Engineering Practices and provide students with opportunities to use the practices with a variety of appropriate science content.

Category: Science

Research Cited: A Framework for K-12 Science Education: Practices, Crosscutting Concepts, and Core Ideas, National Research Council; Taking Science to School,

Curriculum

Coordinator

Duschl, Schweingruber and Shouse

Schools: Frost Middle School, Emerson Middle School, Holmes

Tier: Tier 1

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Livonia Public Schools

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The Math and Science Curriculum Coordinator will include an agenda item on monthly meetings to discuss the Michigan Science Standards and the Science and Engineering Practices with an emphasis on Developing and Using Models and Engaging in Argument from Evidence. Schools: Franklin High School, Stevenson High School, Churchill High School	Teacher Collaborati on	Tier 1		09/12/2016	05/26/2017		No Funding Required	K-12 Mathematic s and Science Curriculum Coordinator and High School Science Department Chairs
Activity - PD on new Science Equipment	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
High school science teachers will receive training on new science equipment purchase with 2013 Bond Funds dedicated for secondary science courses to bring them into the 21st Century. Schools: Franklin High School, Stevenson High School, Churchill High School	Professiona I Learning, Technology	Tier 1	Getting Ready	09/12/2016	04/21/2017		Title II Part A	K-12 Mathematic s and Science Curriculum Coordinator
	A .: '.		Di	D : D :	E 15 (5	0 01	0, "
Activity - High School Science Common Assessment Revision	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsibl e
High school science teachers will begin the process to revise all existing common assessments for their courses to align with Michigan's Science Standards and Science and Engineering Practices. Schools: Franklin High School, Stevenson High School, Churchill High School	Curriculum Developme nt	Tier 1	Implement	09/12/2016	05/26/2017		General Fund	K-12 Mathematic s and Science Curriculum Coordinator and High School Biology Teachers
Activity - AP Course Revisions and Textbook Adoptions	Activity	Tier	Phase	Begin Date	End Date	Resource	Source Of	Staff
Activity At Course Nevisions and Textbook Adoptions	Type	1101	1 11000	Dogin Date	LING Date	Assigned	Funding	Responsibl e
Teachers of AP Biology, Chemistry and Physics will align their courses with the College Board Curriculum and engage in the district's textbook adoption process to select and recommend a textbook for each of these three courses. Schools: Franklin High School, Stevenson High School, Churchill High School	Curriculum Developme nt	Tier 1	Getting Ready	09/12/2016	03/31/2017		General Fund	K-12 Mathematic s and Science Curriculum Coordinator and High School AP Science Teachers

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Activity - PD M-STEP Science Analysis	Activity Type	Tier	Phase	Begin Date			Staff Responsibl e
The Mathematics and Science Curriculum Coordinator will provide an analysis of the 2016 M-STEP science results, share this analysis with high school science department chairs, and train them on how to conduct an analysis of their school's results. Schools: Franklin High School, Stevenson High School, Churchill High School	Other - Assessmen t Analysis	Tier 1	Evaluate	08/09/2016	10/28/2016	Title II Part A	K-12 Mathematic s and Science Curriculum Coordinator

Activity - PD on Next Generation Science Exemplar	Activity Type	Tier	Phase	Begin Date			Staff Responsibl e
The district will offer high school science teachers an opportunity to attend the Wayne RESA professional learning series (5 days) on the NGSX. Schools: Franklin High School, Stevenson High School, Churchill High School	Professiona I Learning	Tier 1	Getting Ready	09/12/2016	05/26/2017		K-12 Mathematic s and Science Curriculum Coordinator

(shared) Strategy 3:

Collaborative Learning Time - All teachers will engage in Collaborative Learning Time during the district designated dates with a focus on identifying the science curriculum/standards they will teach by answering the question "What do we expect students to learn?" By answering this question, teachers will ensure that all students are being provided a consistent and viable curriculum.

Category: Science

Research Cited: Getting Started, DuFours; Professional Learning Communities that Work, Du Fours; Whatever It Takes, DuFours; Strengthening and Enriching Your Professional Learning Communities, Caine and Caine

Tier:

	Activity Type	Tier	Phase	Begin Date			Staff Responsibl e
All teachers will engage in Collaborative Learning Time during the district designated dates and times. Schools: All Schools	Professiona I Learning		Implement	09/12/2016	05/26/2017		Chief Academic Officer and School Administrat ors

Measurable Objective 2:

A 10% increase of Kindergarten, First, Second, Third, Fourth, Fifth and Sixth grade students will demonstrate a proficiency in their ability to use science process skills in Science by 05/26/2017 as measured by fourth and seventh grade M-STEP science tests.

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Strategy 1:

BACMSC Units - All elementary teachers will teach with fidelity the BCAMSC units assigned to their grade.

Category:

Research Cited: A Framework for K-12 Science Education: Practices, Crosscutting Concepts, and Core Ideas, National Research Council; Ready, Set, Science:

Putting Research to Work in K-8 Science Classrooms, Shouse and Schweingruber

Tier: Tier 1

Activity - BCAMSC Units	Activity Type	Tier	Phase	Begin Date		Source Of Funding	Staff Responsibl e
All teachers will engage students in the labs, activities, student journals, and projects that are included in each of the BCAMSC units for their grade level. Schools: Randolph Elementary School, Roosevelt Elementary School, Riley Upper Elementary School, Johnson Upper Elementary School, Buchanan Elementary School, Hayes Elementary School, Niji-Iro Japanese Immersion Elementary School, Hoover Elementary School, Cleveland Elementary School, Kennedy Elementary School, Grant Elementary School, Rosedale Elementary School, Cooper Upper Elementary School, Garfield Elementary School, Cass Elementary School, Coolidge Elementary School, Webster Elementary School	Implementa tion	Tier 1	Implement	09/06/2016	06/15/2017		All elementary teachers, elementary principals/a ssistant principals, Math and Science Curriculum Coordinator

Activity - PD on M-STEP Analysis	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsibl e
The Mathematics and Science Curriculum Coordinator will provide an analysis of the 2016 M-STEP science results, share this analysis with elementary science leaders, and train them on how to conduct an analysis of their school's results. Schools: Randolph Elementary School, Roosevelt Elementary School, Riley Upper Elementary School, Johnson Upper Elementary School, Buchanan Elementary School, Hayes Elementary School, Niji-Iro Japanese Immersion Elementary School, Hoover Elementary School, Cleveland Elementary School, Kennedy Elementary School, Grant Elementary School, Rosedale Elementary School, Cooper Upper Elementary School, Garfield Elementary School, Coolidge Elementary School, Webster Elementary School	Other - Assessmen t Analysis	Tier 1	Evaluate	08/08/2016	10/21/2016		Title II Part A	K-12 Mathematic s and Science Curriculum Coordinator

Activity - Garfield - Title I- Extended Learning Opportunities	Activity Type	Tier	Phase	Begin Date		Staff Responsibl
						le l

Livonia Public Schools

Garfield students will have an opportunity to experience an extension of their science learning by participating in grade level specific field trips with a focus on content integration, such as Detroit Zoo, Ann Harbor Hands-on Museum.	Field Trip	Tier 1	Implement	10/03/2016	05/19/2017	Title I Schoolwide	Garfield School Principal and staff
Schools: Garfield Elementary School							

Strategy 2:

Science and Engineering Practices for Elementary Teachers - Elementary teachers will provide students with instruction on Practice 7 of the Science and Engineering Practices which are included in the Next Generation Science Standards. This practice focuses on engaging in argument with evidence.

Category:

Research Cited: A Framework for K-12 Science Education: Practices, Crosscutting Concepts, and Core Ideas, National Research Council; Ready, Set, Science:

Putting Research to Work in K-8 Science Classrooms, Shouse and Schweingruber

Tier:

Activity - Science Team	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned		Staff Responsibl e
The Math and Science Curriculum Coordinator will meet with K-6 science team leaders throughout the school year to focus on Science and Engineering Practices with an emphasis on Engaging in Argument with Evidence and Constructing Explanations. The use of content journals in science will also be a focus.		Tier 1	Getting Ready	09/19/2016	05/26/2017		Title II Part A	Math and Science Curriculum Coordinator
Schools: Randolph Elementary School, Webster Elementary School, Roosevelt Elementary School, Riley Upper Elementary School, Johnson Upper Elementary School, Buchanan Elementary School, Hayes Elementary School, Niji-Iro Japanese Immersion Elementary School, Hoover Elementary School, Cleveland Elementary School, Kennedy Elementary School, Grant Elementary School, Rosedale Elementary School, Cooper Upper Elementary School, Garfield Elementary School, Cass Elementary School, Coolidge Elementary School, Webster Elementary School								
Activity - Professional Development	Activity Type	Tier	Phase	Begin Date	End Date		Source Of Funding	Staff Responsibl

Livonia Public Schools

The Math and Science Curriculum Coordinator will attend the MSTA Conference in Novi in March, 2017	Professiona I Learning	Tier 1	Getting Ready	03/01/2016	03/31/2016		Math and Science
Schools: Randolph Elementary School, Riley Upper Elementary School, Roosevelt Elementary School, Johnson Upper Elementary School, Buchanan Elementary School, Hayes Elementary School, Niji-Iro Japanese Immersion Elementary School, Hoover Elementary School, Cleveland Elementary School, Kennedy Elementary School, Grant Elementary School, Cooper Upper Elementary School, Garfield Elementary							Curriculum Coordinator
School, Cass Elementary School, Coolidge Elementary School, Webster Elementary School							

(shared) Strategy 3:

Collaborative Learning Time - All teachers will engage in Collaborative Learning Time during the district designated dates with a focus on identifying the science curriculum/standards they will teach by answering the question "What do we expect students to learn?" By answering this question, teachers will ensure that all students are being provided a consistent and viable curriculum.

Category: Science

Research Cited: Getting Started, DuFours; Professional Learning Communities that Work, Du Fours; Whatever It Takes, DuFours; Strengthening and Enriching Your Professional Learning Communities, Caine and Caine

Tier:

Activity - Collaborative Learning Time	Activity Type	Tier	Phase	Begin Date		 	Staff Responsibl e
All teachers will engage in Collaborative Learning Time during the district designated dates and times. Schools: All Schools	Professiona I Learning		Implement	09/12/2016	05/26/2017	1	Chief Academic Officer and School Administrat ors

Goal 5: All students will increase engagement in their learning through the use of technology tools.

Measurable Objective 1:

demonstrate a behavior in increased engagement in learning by 06/30/2017 as measured by teacher feedback.

Strategy 1:

Classroom Technology Tools - All teachers will incorporate aspects of classroom technology tools in their classroom instruction.

Category:

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Activity - Mobile Device

Research Cited: Making the Most of Digital Tools, Nancy Frey and Douglas Fisher; Authentic Learning in the Digital Age, Larissa Pahomov, A Vision for Mobile Learning, Julie Evans; Enhancing the Art and Science of Teaching with Technology, Sonny Magana and Robert Marzano

Activity

Tier

Tier: Tier 1

	Туре					Assigned	Funding	Responsibl e
The district will provide carts of Dell Chromebooks for each elementary school, upper elementary school, middle school, and high school during the school year. Schools: All Schools	Implementa tion, Technology	Tier 1	Getting Ready	07/11/2016	06/16/2017		Other	Chief Academic Officer, Administrat or of Information and Instructiona I Technology , additional IT Staff, and teachers and administrat ors at the school level.
Activity - Keynote Speaker	Activity Type	Tier	Phase	Begin Date	End Date		Source Of Funding	Staff Responsibl e
The district will provide a day of professional learning on August 31, 2016 focusing on the integration of technology tools to engage learners and enhance their learning. The day will begin with a keynote address by George Courus who will also provide different breakout sessions throughout the day. Additional breakout sessions will be provided by district staff and outside consultants. Schools: All Schools	Professiona I Learning	Tier 1	Getting Ready	08/31/2016	08/31/2016		Title II Part A	Chief Academic Officer and Administrat or of Information and Instructiona I Technology and PD Bond Technology Committee
Activity - iReady Online Assessment Consultant	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsibl e

Phase

Begin Date End Date

Resource

Source Of Staff

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The district will implement the second stage of the online assessment called iReady Diagnostic in math which focuses on how to use the results to plan instruction and differentiate teaching to all K-6 students. The district will implement the administration of the i-Ready Diagnostic Reading assessment to all K-6 students for the first time during the 2016-17 school The district will provide a consultant, webinars and other online resources. A train-the-trainer model will continue be used to train teachers on the administration of the assessments, interpretation and analysis of assessment results, and use of assessment results for instructional grouping and intervention.	Professiona I Learning	Tier 1	Getting Ready	09/12/2016	05/19/2017		Title II Part A	Chief Academic Officer, Federal Programs Coordinator, Administrat or of Assessmen t
Schools: Randolph Elementary School, Roosevelt Elementary School, Riley Upper Elementary School, Johnson Upper Elementary School, Buchanan Elementary School, Hayes Elementary School, Niji-Iro Japanese Immersion Elementary School, Hoover Elementary School, Cleveland Elementary School, Kennedy Elementary School, Grant Elementary School, Rosedale Elementary School, Cooper Upper Elementary School, Garfield Elementary School, Cass Elementary School, Coolidge Elementary School, Webster Elementary School								
Activity - iReady Online Assessment Teacher Training	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Each school will identify 1-2 teachers who will become responsible to participate in a train-the-trainer model of professional learning on the new iReady Diagnostic assessment. Trainers will be released to attend on-site training using an outside consultant, will participate in webinars and other online training resources to become knowledgeable about the administration of the assessment, diagnostic reports and how to analyze and interpret reports for instructional purposes.	Professiona I Learning	Tier 1	Getting Ready	09/12/2016	05/26/2017		Title II Part A	Chief Academic Officer, Content Area Coordinator s, Federal Programs Coordinator
Schools: Randolph Elementary School, Riley Upper Elementary School, Roosevelt Elementary School, Johnson Upper Elementary School, Buchanan Elementary School, Hayes Elementary School, Niji-Iro Japanese Immersion Elementary School, Hoover Elementary School, Cleveland Elementary School, Kennedy Elementary School, Rosedale Elementary School, Cooper Upper Elementary School, Garfield Elementary School, Cass Elementary School, Coolidge Elementary School, Webster Elementary School								Administrat or of Assessmen t
Activity - Document Cameras and Ultra Short Throw Projectors	Activity Type	Tier	Phase	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible

Livonia Public Schools

The district will install document cameras and ultra short throw projectors purchased using 2013 Bond Funds in all classrooms in Phase 1 and 2 schools for instructional use by teachers and students. Schools: Randolph Elementary School, Hoover Elementary School, Franklin High School, Grant Elementary School, Johnson Upper Elementary School, Holmes Middle School		Tier 1	Implement	07/06/2015	09/30/2015	C		Information Technology Department and Barton Malow's Technical Services
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Activity - Lab Computers	Activity Type	Tier	Phase	Begin Date			Staff Responsibl e
The district will purchase and install new desktop computers using 2013 Bond Funds in the computer labs of all Phase 3 schools for use by staff and students. Schools: Randolph Elementary School, Hoover Elementary School, Franklin High School, Stevenson High School, Grant Elementary School, Johnson Upper Elementary School, Holmes Middle School	Technology	Tier 1	Implement	07/22/2016	10/28/2016	Other	Information Technology Department Staff and Barton Malow Technical Services

Activity - Book Study on Technology	Activity Type	Tier	Phase	Begin Date			Staff Responsibl e
The district will purchase the book, The Innovator's Mindset, for each administrator, each member of the district's Technology Committee, and each presenter at the district's technology PD Day. The book's author, George Couros, is the keynote speaker during the technology PD Day. Reading and discussing this book will be part of a year-long book study. Schools: All Schools	Professiona I Learning	Tier 1	Getting Ready	08/22/2016	05/26/2017	A	Chief Academic Officer, Central Office Administrat ors and School Administrat ors

Goal 6: All students will be proficient in social studies.

Measurable Objective 1:

75% of Kindergarten, First, Second, Third, Fourth, Fifth and Sixth grade students will demonstrate a proficiency in their knowledge and use of social studies content and skills in Social Studies by 05/31/2021 as measured by state assessment.

Strategy 1:

Developing a Deeper Understanding of Social Studies Conent - All teachers will provide social studies instruction with fidelity to support students' deeper understanding of content.

Category: Social Studies

Livonia Public Schools

Research Cited: C3 Framework for Social Studies State Standards, National Council for Social Studies; MC3 Curriculum developed by MAISA; Proposed Michigan K-12 Social Studies Standards, Michigan Department of Education.

Tier: Tier 1

Activity - K- 4 MC3 Curriculum Implementation and Integration	Activity Type	Tier	Phase	Begin Date	End Date		Staff Responsibl e
The elementary social studies curriculum committee will meet to continue to pilot the MC3 curriculum and implement strategies for content integration Schools: Randolph Elementary School, Roosevelt Elementary School, Buchanan Elementary School, Hayes Elementary School, Niji-Iro Japanese Immersion Elementary School, Hoover Elementary School, Cleveland Elementary School, Kennedy Elementary School, Grant Elementary School, Rosedale Elementary School, Garfield Elementary School, Cass Elementary School, Coolidge Elementary School, Webster Elementary School	Curriculum Developme nt		Getting Ready	10/03/2016	05/19/2017	Fund	K-12 ELA and Social Studies Curriculum Coordinator and Elementary Social Studies Committee

Activity - 6th Grade MC3 Curriculum Implementation and Integration	Activity Type	Tier	Phase	Begin Date			Staff Responsibl e
The sixth grade Social Studies Committee will receive professional learning to support implementation of the MC3 curriculum and content integration. Schools: Riley Upper Elementary School, Johnson Upper Elementary School, Cooper Upper Elementary School, Webster Elementary School	Curriculum Developme nt			10/03/2016	05/19/2017		K-12 ELA and Social Studies Curriculum Coordinator and Sixth Grade Social Studies Committee

Measurable Objective 2:

75% of Seventh and Eighth grade students will demonstrate a proficiency in their knowledge and use of social studies content and skills in Social Studies by 05/21/2021 as measured by the eighth grade and eleventh grade social studies state assessments.

Strategy 1:

Middle School- Developing a Deeper Understanding of Social Studies Conent - Middle school social studies teachers will teach the social studies curriculum with fidelity in order for students to develop a deeper understanding of content.

Category: Social Studies

Research Cited: C3 Framework for Social Studies State Standards, National Council for Social Studies; MC3 Curriculum developed by MAISA; Proposed Michigan K-12 Social Studies Standards, Michigan Department of Education.

Tier: Tier 1

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Activity - MC3 Curriculum Implementation	Activity Type	Tier	Phase	Begin Date			Staff Responsible
Seventh grade social studies teachers will receive four days of professional development from an outside consultant to support implementation of the MC3 social studies curriculum and the use of content journals for students. Schools: Frost Middle School, Emerson Middle School, Holmes Middle School	I Learning	Tier 1	Getting Ready	09/19/2016	04/21/2017		K-12 ELA and Social Studies Curriculum Coordinator

Activity - Common Assessment Revisions	Activity Type	Tier	Phase	Begin Date			Staff Responsibl e
Middle school social studies teachers will be invited to form a committee for the purpose of creating a common assessment that aligns to the state's social studies curriculum. Schools: Frost Middle School, Emerson Middle School, Holmes Middle School	Other - Assessmen t Revision	Tier 1	Evaluate	10/03/2016	04/21/2017	Fund	K-12 ELA and Social Studies Curriculum Coordinator

(shared) Strategy 2:

Collaborative Learning Time - All teachers will engage in Collaborative Learning Time during the district designated dates with a focus on identifying the social studies curriculum components they will teach by answering the question "What do we expect students to learn?" By answering this question, teachers will ensure that all students are being provided a consistent viable curriculum.

Category: Social Studies

Research Cited: Professional Learning Communities at Work, DuFours; Whatever it Takes, DuFours; Strengthening and Enriching Your Professional Learning Community, Caine and Caine; Getting Started, DuFours

Tier:

Activity - Collaborative Learning Time	Activity Type	Tier	Phase	Begin Date			Staff Responsibl e
Middle School Social Studies teachers will engage in collaborative learning during the district designated dates and times for collaborative learning time. Schools: Franklin High School, Stevenson High School, Churchill High School	Professiona I Learning		Implement	09/12/2016	05/26/2017	- 1	Chief Academic Officer and High School Principals

Measurable Objective 3:

75% of Ninth, Tenth, Eleventh and Twelfth grade students will demonstrate a proficiency in their knowledge and use of social studies content and skills in Social Studies by 04/23/2021 as measured by the state's social studies assessment.

Livonia Public Schools

Strategy 1:

High School - Developing a Deeper Understanding of Social Studies Conent - Teachers will teach the social studies curriculum with fidelity to support students' in their ability to deeply understand social studies content.

Category: Social Studies

Research Cited: C3 Framework for Social Studies State Standards, National Council for Social Studies; MC3 Curriculum developed by MAISA; Proposed Michigan K-

12 Social Studies Standards, Michigan Department of Education.

Tier: Tier 1

,	Activity Type	Tier	Phase	Begin Date			Staff Responsibl e
High school social studies department chairs will create mid- term common assessments that align with the Essay portion of the SAT.	Other - Assessmen t Revision		Evaluate	09/12/2016	04/21/2017		and Social Studies
Schools: Franklin High School, Stevenson High School, Churchill High School							Curriculum Coordinator

Activity - World History Committee	Activity Type	Tier	Phase	Begin Date	End Date		Staff Responsibl e
A committee with representation of World History teachers from each high school will revise its existing social studies curriculum to reflect and align with the state's Social Studies Standards. The committee will also develop a common assessment that aligns with the curriculum and provide training to World History teachers on this curriculum, instruction and assesment changes. Schools: Franklin High School, Stevenson High School, Churchill High School	Developme nt		Getting Ready	09/12/2016	02/17/2017	General Fund	K-12 ELA and Social Studies Curriculum Coordinator

(shared) Strategy 2:

Collaborative Learning Time - All teachers will engage in Collaborative Learning Time during the district designated dates with a focus on identifying the social studies curriculum components they will teach by answering the question "What do we expect students to learn?" By answering this question, teachers will ensure that all students are being provided a consistent viable curriculum.

Category: Social Studies

Research Cited: Professional Learning Communities at Work, DuFours; Whatever it Takes, DuFours; Strengthening and Enriching Your Professional Learning

Community, Caine and Caine; Getting Started, DuFours

Tier:

Livonia Public Schools

Activity - Collaborative Learning Time	Activity Type	Tier	Phase	Begin Date			Staff Responsibl e
Middle School Social Studies teachers will engage in collaborative learning during the district designated dates and times for collaborative learning time. Schools: Franklin High School, Stevenson High School, Churchill High School	Professiona I Learning		Implement	09/12/2016	05/26/2017	7	Chief Academic Officer and High School Principals

Goal 7: Enhancing Leadership Skills

Measurable Objective 1:

collaborate to improve the instructional learning and leadership of administrators by 05/02/2017 as measured by self-reflection and completion of the leadership series.

Strategy 1:

Enhancing Administrators' Leadership Skills - Administrators will participate in a variety of professional learning experiences this year to enhance their leadership skills.

Category: Other - Administrative Leadership

Research Cited: Research of Tom Many, Dave Burgess, George Couros, Robert Garmston

Tier: Tier 1

Activity - Wayne RESA Learning Series for Leaders	Activity Type	Tier	Phase	Begin Date			Staff Responsibl e
A team of fifteen administrators will attend the series of eleven full days of professional learning focused around Santoyo's Leverage Leadership and including guest speakers Thomas Many, George Couros, and Dave Burgess Schools: Frost Middle School, Niji-Iro Japanese Immersion Elementary School, Franklin High School, Adams Elementary School, Riley Upper Elementary School, Emerson Middle School, Grant Elementary School, Churchill High School, Cooper Upper Elementary School, Cass Elementary School	Professiona I Learning	Tier 1		08/11/2016	05/02/2017	A	Director of Elementary Programs, Director of Student Services and Assistant Superinten dent of Secondary Programs

Activity - Illuminate Training	Activity Type	Tier	Phase	Begin Date			Staff Responsible
The district's Assessment Administrator will attend the Illuminate Conference in Grand Rapids. Schools: All Schools	Professiona I Learning			11/02/2016	11/03/2016	Α	Assessmen t Administrat or

Livonia Public Schools

Activity - 5 Dimensions Teacher Evaluation	Activity Type	Tier	Phase	Begin Date			Staff Responsibl e
District administrators will participate in 6 full days of training provided by professional consultants on the components of the district's new teacher evaluation tool, 5 Dimensions. Schools: All Schools			Implement	08/15/2016	11/22/2016		Cabinet, coordinator s and school administrat ors