

**E. Hale Curran  
STEM Implementation Plan**

**Year 2 – 2015 – 2016 – Cross-Curricular Instruction (Integrated Instruction)**

<b>Infrastructure: Is a structure and process in place to support the program’s mission, vision and goals?</b>			
<b>Action Steps</b>	<b>Who’s Responsible</b>	<b>Timeline</b>	<b>Resources</b>
Classrooms are designed or organized for collaborative work	Classroom Teachers	Aug. - June	Staff; 21 <sup>st</sup> Century Learning Company
Teachers and students have increased access to technology when instruction and learning require it.	Technology Team	Aug. - June	Technology Plan; Lab Schedules
Flexible Computer Labs	Technology Team	Aug. - June	Computer Lab Schedule
Teachers use media tools to communicate STEM activities	Technology Team; TOSA	Aug. - June	Facebook; E. Hale Curran Website; Blackboard Connect; Aeries e-mail
Student work is showcased in the community	Leadership Team; TOSA; Karen Parris	Jan. - June	STEM Projects; Santa Rosa Plateau Foundation; MVUSD Tech Fair; Title I Summer Faire
Community members are invited to participate in STEM activities/projects	Leadership Team; TOSA	Aug. - June	STEM Projects; Santa Rosa Plateau Foundation
Single Plan for Student Achievement (LCAP Plan)	Admin; MVUSD DSC	Aug. - June	SPSA Plan; LCAP Plan

**Instruction: Does the instruction environment provide time and professional development for educators to develop and improve their craft of pedagogy and content?**

<b>Action Steps</b>	<b>Who's Responsible</b>	<b>Timeline</b>	<b>Resources</b>
Mindsets in the Classroom	Pam Roden & TOSA	Aug. - June - Monthly staff meetings	Mindsets in the Classroom - Mary Cay Ricci
Professional Learning Communities (PLC) Book Study	Pam Roden; Leadership Team	Aug. - June	Book - Kid by Kid Skill by Skill
PLC Meetings used to learn about, research, discuss, plan and share ideas related to STEM	PLC Teams; TOSA	As per district PLC calendar	Agendas; Professional STEM articles and research; Webinars
Grade level Data Meetings used for data review and analysis	Pam Roden; Grade level teams; TOSA	Aug. - June - Weekly as per Data Meetings calendar	Formative and Summative data; SAM; Haiku Learning
District Buy Back Days - STEM PD	Admin	Oct. 2015; Jan. 2016	PD Agendas
Monthly Staff Meetings - STEM PD	Admin	Aug. - June	Staff Meeting Agendas
Classroom Visits and Observations	Teachers; TOSA	Aug. - June	Teacher coverage from Admin and TOSAs
STEM Teacher Focused Walk-Throughs	STEM teachers	Aug. - June	Teacher coverage from Admin and TOSAs
CUE Conference	Technology Team	March 2016	Conference fees; substitute costs
California STEM Conference	TOSAs	October 2015	Conference fees; substitute costs
Riverside County STEM Network Meetings	TOSAs	Quarterly	Substitute Costs
STEM PD Workshop Opportunities	Teachers; TOSA	Aug. - June	Workshop Fees

**Curriculum: Is our STEM curriculum aligned to the California Common Core State Standards and Next Generation Science Standards?**

<b>Action Steps</b>	<b>Who's Responsible</b>	<b>Timeline</b>	<b>Resources</b>
STEM Lab (Exploratorium) Grade Level Activities	TOSA	Aug - June	TOSA
Performance Tasks	TOSA; Teachers	Aug- June	Defined STEM
UBD Planning	TOSA; Teachers	Aug. - June	TOSA; Defined STEM
Co-Teaching	TOSA; Teachers	Aug - June	TOSA
STEM Curriculum Planning - Grade level teams collaboratively plan and teach integrated (cross curricular) STEM Unit	Grade level teams; STEM Leadership Team; TOSA	As determined by grade level team	Stipend
School Wide STEM Unit Plan Spreadsheet	Grade Level Teams	Aug. - June	Haiku Learning; Google Docs
Sci 5 & 5 E's Planning	TOSAs; Teachers	Aug. - June	Professional Development
Science A - Z Curriculum	TOSA	Aug. - June	Learning A-Z Site Licenses
MVUSD Common Core Curriculum Team Meetings	CCCT Members	As per district calendar	Ed Services
E. Hale Curran Tech Plan	ITC & ITL	Aug. - June	3 Year Plan
NGSS Steering Committee	Melissa Grabarkiwitz	Aug - June	Substitute costs
STEMscopes Trial	Admin	Jan. - June	STEMscopes; PD Development

<b>Extended Learning: Does our STEM program offer opportunities outside of the school day?</b>			
<b>Action Steps</b>	<b>Who's Responsible</b>	<b>Timeline</b>	<b>Resources</b>
Computer Labs opened before and after school	TOSA	Ongoing – Sept. - June	Staff for supervision
STEM Lab extended hours	TOSA	January - June	Staff for supervision
STEM Family Events (Science Night; Math Night; Engineering Night)	TOSA	Aug. - June	Title I Family Involvement Money
STEM Expo	STEM Leadership Team	May 2016	STEM Projects
Odyssey of the Mind	Odyssey of the Mind Lead Teacher	Sept. - Mar	Registration fees; Material fees; Teacher Sub Days
Mathcon	TOSA	Dec. – Apr.	Mathcon License
Discovery Classes	Admin	Feb. – Mar.	Staff; Teacher Sub Days; Material fees
STEM Clubs (Green Team; Garden Club; Robotics Club; Student Tech Leaders)	Teachers; TOSA	Aug. - June	Material fees

August 2015