E. Hale Curran
STEM Implementation Plan

Preliminary Work – 2013 - 2014

How do we build awareness and understanding of STEM at E. Hale Curran?			
Action Steps	**Who's Responsible**	**Timeline**	**Resources**
Present to MVUSD Board of Education	TOSAs – Tammy Koeppen, Greg Nicolas, Melissa Grabarkewitz	Feb. 2014; Apr. 2014	MVUSD STEM Haiku Page; Mindset
STEM Leadership Team established	TOSA – Tammy Koeppen	Jan. 2014 – June 2014	MVUSD STEM Haiku Page; Mindset
Riverside County – STEM Network	TOSAs – Tammy Koeppen, Greg Nicolas	Feb. 2014	Sub Coverage for TOSA
E. Hale Curran STEM Information Meeting	TOSAs – Tammy Koeppen; Greg Nicolas	Feb. 19, 2014	MVUSD STEM Haiku Page
STEM School Visits	TOSAs – Tammy Koeppen; Greg Nicolas	Jan. - June	Substitute Coverage for TOSA
Attend CUE Conference	STEM Leadership Team	March 2014	Conference fees
E. Hale Curran STEM Question and Answer Meeting	STEM Leadership Team	April 2014	Curran STEM page
Press Release regarding STEM Focus School	Karen Parris	April 2014	Local newspapers
E. Hale Curran STEM Parent Meeting	STEM Leadership Team	April 2014	Curran STEM Haiku page; MVUSD STEM Haiku page
STEM Booth at Title I Summer Event	STEM Leadership Team	June 2014	Hands-on projects
Invention Convention Showcase	Melissa Grabarkewitz; Trish Sluter	June 2014	Student Projects

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Year 1 – 2014 – 2015 – STEM Awareness & Discovery Implementation

Infrastructure: Is a structure and process in place to support the program's mission, vision and goals?

Action Steps	Who's Responsible	Timeline	Resources
Leadership team and/or teachers work on school vision and mission	Pam Roden; Guy Romero	August 2014	PD Day
Classrooms are designed or oriented organized for collaborative work	Classroom Teachers	Aug. - June	Staff
Classroom locations facilitate teacher collaboration	Leadership Team	Aug 2014	MVUSD Facilities
Teachers and students have increased access to technology when instruction and learning require it.	Technology Team	Aug. - June	Technology Plan; Lab Schedules
Teachers use media tools to communicate STEM activities	Technology Team; TOSA	Aug. - June	Technology Tools
Student work is showcased in the community	STEM Leadership Team; Karen Parris	Jan. - June	STEM Projects
Community members are invited to participate in some classroom activities	STEM Leadership Team	Aug. - June	STEM Projects
Develop STEM partnerships – Business and Community	TOSA Greg Nicolas	Aug. - June	E. Hale Curran Mission and Vision Plan
Parent/Community STEM Meetings	Leadership Team; TOSAs	Quarterly	STEM student demonstrations and work samples; Videos

Instruction: Does the instruction environment provide time and professional development for educators to

develop and improve their craft of pedagogy and content?

Action Steps	Who's Responsible	Timeline	Resources
Mindset: The New Psychology of Success – Year-long Theme	Pam Roden & TOSA	Aug. – June – Monthly staff meetings	Mindset: The New Psychology of Success – Carole Dweck
Professional Learning Communities (PLC) Revisited	Pam Roden	Aug. 2014	Sean McCarthy
PLC Meetings used to learn about, research, discuss, plan and share ideas related to STEM	PLC Teams	As per district PLC calendar	Agendas; Professional STEM articles and research; Webinars
Grade level Collaboration Meeting used for data analysis	Pam Roden; Grade level teams; TOSA	Aug. – June – Weekly as per collaboration calendar	Formative and Summative data; SAM; Haiku
STEM School Visits and Observations	STEM Leadership Team	Aug. - June	Proposals; Substitute costs
STEM Teacher Focused Walk-Throughs	STEM teachers	Aug. - June	Substitute costs
CUE Conference	STEM Leadership Team	March 2015	Conference fees; substitute costs
California STEM Conference	TOSAs	Nov. 2014	Conference fees; substitute costs
California Science Teachers' Conference (Long Beach)	TOSAs	Dec. 4 - 6	Conference fees; substitute costs
Riverside County STEM Network Meetings	TOSAs	Quarterly	Substitute Costs

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

Action Steps	Who's Responsible	Timeline	Resources
Next Generation Science Standards Professional Development Sessions	Greg Nicolas	June 2; Aug. 12additional dates	Greg Nicolas
Science A – Z Curriculum	TOSA	Aug. - June	Learning A-Z Site Licenses
STEM Lab (Exploratorium)	TOSA	Aug - June	
Grade level teams collaboratively plan and teach one integrated (cross curricular) STEM Unit	Grade level teams; STEM Leadership Team; TOSA	As determined by grade level team	Stipend
Grade Level STEM Project	Grade level Teams; TOSAs	Aug. - May	Funds for resources;
MVUSD Common Core Curriculum	CCCT Members	As per district calendar	Ed Services

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Team Meetings			
Explore Project Lead the Way	TOSA's	Aug. - June	Karen Loughton
E. Hale Curran Tech Plan	ITC & ITL	Aug. - June	3 Year Plan

Extended Learning: Does our STEM program offer opportunities outside of the school day?

Action Steps	Who's Responsible	Timeline	Resources
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 Expo	STEM Leadership Team	March 2015	STEM Projects
Odyssey of the Mind	Odyssey of the Mind Lead Teacher	Jan. - June	Registration fees; Material fees
STEM Clubs (Discovery) established based on teacher interest	Teachers	Aug. - June	Material fees