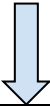
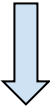
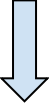
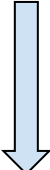
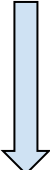
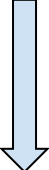


Science Lab Long Range Plans

2018-2019

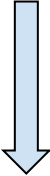
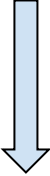
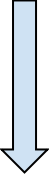
subject to change

1st Quarter

Month	3 rd Grade	4 th Grade	5 th Grade
August	Rules Recycling Refresh Intro to Google Classroom and Chromebooks	Recycling Refresh Intro to Google Classroom and Chromebooks	Recycling Refresh Intro to Google Classroom and Chromebooks
September	Discovering Attributes (Ice Hands) Properties of Matter intro (How heat affects) 	Understanding Qualitative and Quantitative Observations (Jelly Marbles)  Plants/Weather - Planting fall plants	Introducing the Engineer process (STEM challenge: Drop Zone design)  Mixtures/Solutions
October	Matter STEM project - build your own house 	Plants/Weather data collection 	

2nd Quarter


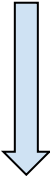
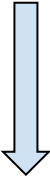
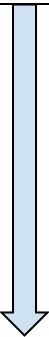
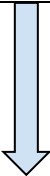
Month	3 rd Grade	4 th Grade	5 th Grade
November	Finish Matter STEM project Recycling (American Education Week) Electricity/Magnetism Intro	Recycling (American Education Week) Harvest fall plants Astronomy Intro	Recycling (American Education Week) Finish Mixtures and Solutions

December	STEM electricity project - Makey Makey 	Astronomy 	Motion and Design Intro 
January	Finish STEM Electricity project - Makey Makeys	Begin STEM Astronomy project - Navigation tools	Begin STEM Forces project- Paper roller coasters

***3rd-5th grade library rotation; K,1st, & 2nd grade science lab rotation week of Oct. 29-Nov. 2.**

Month	Kindergarten	1st Grade	2nd Grade
October/November	Storybook STEM challenge	Using measurement tools	Matter

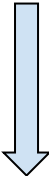
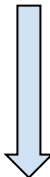
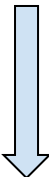
3rd Quarter

Month	3 rd Grade	4 th Grade	5 th Grade
January	Finish STEM electricity project - Makey Makey Begin Earth Materials	 Astronomy STEM project - intro 3D printing	STEM project- Paper roller coasters
February	Earth Materials STEM project - How to stop erosion 	Finish 3D printing of part for Astronomy STEM project  Plant seeds indoors for spring garden	
March		Finish and present STEM project Plant seedlings in garden after frost ends; review weather/plants	Finish STEM roller coaster project Begin final STEM project: Rube Goldberg break out challenge

***3rd-5th grade library rotation; K and 1st grade science lab rotation week of Feb. 25 - Mar. 1.**

Month	Kindergarten	1 st Grade	2 nd Grade
January	Storybook STEM challenge	Motion	Matter

4th Quarter

Month	3 rd Grade	4 th Grade	5 th Grade
March	Finish Earth Materials STEM project - How to stop erosion 	Plant seedlings in garden after frost ends; review weather/plants Alka rockets	Build and test STEM project: Rube Goldberg break out challenge 
April	Habitats/Environments 	Alka rockets Final STEM project: solar ovens to review light/energy standards	Finish STEM project: Rube Goldberg break out challenge
May	Team STEM Challenges	Team STEM Challenges	Team STEM Challenges

***3rd-5th grade library rotation; Kindergarten and 1st grade science lab rotation week of May 20-24.**

Month	Kindergarten	1 st Grade	2 nd Grade
May	Life Cycles	Earth Materials	STEM Challenge