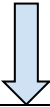
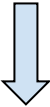
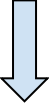
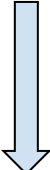
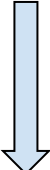
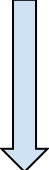


## Science Lab Long Range Plans

**2018-2019**

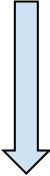
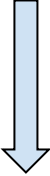
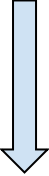
\*subject to change\*

### 1<sup>st</sup> Quarter

Month	3 <sup>rd</sup> Grade	4 <sup>th</sup> Grade	5 <sup>th</sup> Grade
<b>August</b>	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
<b>September</b>	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
<b>October</b>	Matter STEM project - build your own house  	Plants/Weather data collection  	

### 2<sup>nd</sup> Quarter


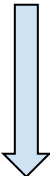
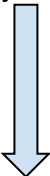
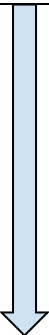
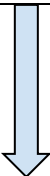
Month	3 <sup>rd</sup> Grade	4 <sup>th</sup> Grade	5 <sup>th</sup> Grade
<b>November</b>	Finish Matter STEM project  Recycling (American Education Week)  Electricity/Magnetism Intro	Recycling (American Education Week)  Harvest fall plants  Astronomy Intro	Recycling (American Education Week)  Finish Mixtures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

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

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

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

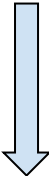
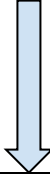
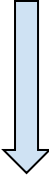
### 3<sup>rd</sup> Quarter

Month	3 <sup>rd</sup> Grade	4 <sup>th</sup> Grade	5 <sup>th</sup> Grade
<b>January</b>	Finish STEM electricity project - Makey Makey  Begin Earth Materials	  Astronomy STEM project - intro 3D printing	STEM project- Paper roller coasters
<b>February</b>	Earth Materials STEM project - How to stop erosion 	Finish 3D printing of part for Astronomy STEM project   Plant seeds indoors for spring garden	
<b>March</b>		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

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

Month	Kindergarten	1 <sup>st</sup> Grade	2 <sup>nd</sup> Grade
January	Storybook STEM challenge	Motion	Matter

#### 4<sup>th</sup> Quarter

Month	3 <sup>rd</sup> Grade	4 <sup>th</sup> Grade	5 <sup>th</sup> 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

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

Month	Kindergarten	1 <sup>st</sup> Grade	2 <sup>nd</sup> Grade
May	Life Cycles	Earth Materials	STEM Challenge