

Activity Name	Time	Activity Description	MSiC Host	Materials			Written description/blurb for FB students will learn to build the Orion Spacecraft and the Launch Abort Vehicle!	Picture of items in folder yes/no
Prepare for Launch	10:00	Build Orion Model	Vonita	8 oz white cup, aluminum foil, markers, tape				Yes
	10:30	Balance the Launch Abort Vehicle	Vonita	1 Pipe cleaner, 1 popsicle stick, 4 paper clips				Yes
Stomp Rockets	11:00	Build rocket and launch - NEED AN AT HOME LAUNCHING SOLUTION (2 LITER BOTTLE?)	Andrew	Straw (bendable or metal) ✓ Paper ✓ Tape ✓ Scissors (if paper is not the right size) ✓ Cardstock or light cardboard ✓ Homemade stomp rocket ✓ Hot glue or duct tape ✓	5/13/2020			
Lunar Lander	12:00	Build a lunar lander with shock absorption. (Also add in drag?)	Tara	Landing Pad ✓ Meter Stick ✓ Cardboard ✓ 9oz Plastic Cup ✓ Index Cards ✓ Mini Marshmallows ✓ Marshmallows ✓ Rubber Bands ✓ Straws ✓ Tape ✓ Scissors				
Moon Phases	1:00	Recreate moon phases on cups	Kat Hanson	16oz Clear Plastic Cups ✓ Black Permanent Marker ✓ (Optional) 1.5- Inch Diameter Printed Yellow Circle ✓ Yellow Construction Paper ✓ Sheet White Copy Paper ✓ Scissors ✓ Tape ✓ Circle Stencil	5/13/2020			
		NASA Moon Phases Calendar	Carroll Ellis	https://www.jpl.nasa.gov/edu/learn/project/make-a-moon-phases-calendar-and-calculator/				
Lunar Rover App (Google Play store)	XXXX	Build and navigate rover in App	Carroll	App		Use for Weekly Web find		
Lava Tube exploration	2:00	Is there an at-home alternative for the spheros?	Beth - Kat & Tara R&D					
Sky Watch	8:30	Jim live	Jim					
Prepare for Launch		Select components to help their SLS carry out mission goal on a budget	Christian	SLS Card Sheet (1/student), SLS Design Sheet (1/student), Scissors (to cut out cards), Tape or Glue (to attach cards to SLS Design sheet), Dice, Calculator	6/3/2020			
Build the Rocket		Build straw rocket to 'launch' at moon/mars target - On a string with balloon option. Competition to see who can launch the farthest?	Kat Hanson & Andrew with extension on string later in the hour	straw, rocket template, scissors, tape, paper, pencil, markers, target (string & Balloon)				
Feeling the Effects		Weight - compare different weighted containers representing weight on Earth and Mars - calculations/sports	Vonita Giddings	Weighted and empty containers, calculator (dry beans, newspaper, markers for labels)				
		Bone Density - Test styrofoam cups with and without holes for strength	Carroll Ellis	Styrofoam cups, pencil, scissor, marker				
		Blood flow - Measure around your ankle standing versus with foot elevation.	Vonita Giddings	String, ruler, marker				
Build a Habitat		App in Google Play Store		App, trigger cards pre-printed				
		Build mars habitat with playdoh, legos, cardboard, anything else?	Beth	Playdoh, Legos, cardboard, something to build a habitat with				