

Summer School Lesson Plans

SUBJECT

STEM

TEACHER

Ms. Owens

GRADE

00

DATE

Date

BOOK

ACTIVITY

MATERIALS

WEBSITE[-9

<p>GROWING NEW PLANTS BY JENNIFER COLBY BOOK ON EPIC</p>	<p>Growing Beans (measurement and growth tracking)</p> <p>The students will track growth of a plant that they take care of for the next week</p>	<ul style="list-style-type: none"> • Beans (seeds) • Soil • Container to grow them in. • Rulers to track growth • Small chart 	<p>https://www.youtube.com/watch?v=TqEh7K9pFs8</p>
<p>SLIME KITCHEN EXPERIMENT BOOK ON EPIC</p>	<p>Slime Comparison</p> <p>Students will observe and take note of the slime ingredients that have been prepared. There will be 2 different slimes made. The students will answer questions such as:</p> <p>Q1: Which slime do I think will be better?</p> <p>Q2: Will the slime be stretchy or sticky?</p> <p>Q3: Which was easier to make?</p>	<p>Slime 1 Ingredients</p> <ul style="list-style-type: none"> • Corn starch • Glue <p>Slime 2 Ingredients</p> <ul style="list-style-type: none"> • Dish soap • Glue • Baking soda <p>Feel free to test with other slime recipes from the videos!</p>	<p>https://www.youtube.com/watch?v=q9B3bsUDoRo</p> <p>https://www.youtube.com/watch?v=1g7DkgawdNo</p>

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	<p>AFTER slimes are made.</p> <p>Q1: Which slime is your favorite?</p> <p>Q2: Why did you choose it?</p> <p>Q3: Which slime will last longer?</p>		
<p>CLAY MODELING BY TOBY REYNOLDS</p>	<p>Playdough: Create a playdough creature! This uses your imagination. Draw out what you want it to look like then use the playdough to make it into a real creature!</p>	<ul style="list-style-type: none"> • Playdough of various colors • Cookie cutters • Any kind of stencil 	<p>https://youtu.be/EN0E8bmHS24 This link is an example of how someone made an elephant out of playdough.</p>
<p>MAKING COMIC BOOKS BY MICHAEL TEITELBAUM</p>	<p>Option A: Create a comic! Write a short story and then illustrate it by creating a comic!</p> <p>Option B: Use an online platform to create your comic!</p>	<ul style="list-style-type: none"> • Half sheet of poster board. • Markers • Pencils <p>OR</p> <p>Use the website to create a comic with the items they provide.</p>	<p>https://www.makebeliefscomix.com/Comix/ (video will be made to show everyone how to use this website)</p>
<p>SKY COLORS BY PETER H. REYNOLDS</p>	<p>Working with colors can be fun! Make the colors walk around! Observe how long this takes and enjoy!</p>	<ul style="list-style-type: none"> • Water <p>Test Tubes and Rack (clear plastic cups or mason jars work well too!)</p> <ul style="list-style-type: none"> • Food Coloring 	<p>https://littlebinsforlittlehands.com/walking-water-science-experiment-kids/</p>

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		<ul style="list-style-type: none"> • Paper Towels • Stirrer • Scissors • Timer (optional) 	

BOOKS	ACTIVITY	MATERIALS	WEB
MIKOYAN MIG-35 BY MEGAN COOLEY	Make airplanes from popsicle sticks	<ul style="list-style-type: none"> • glue • popsicle sticks • paint 	Follow the video for any extra materials https://www.youtube.com/watch?v=CQ_gSSXxnA

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THE POTTER BY JACOLYN CATON	Use clay to create a dish or vase that you may like. This doesn't have to be large. You may ask an adult for assistance if you need it.	<ul style="list-style-type: none"> • Clay • Paint (for when it dries) • Cookie cutters for a desired shape to build off of (optional) 	https://www.youtube.com/watch?v=L7sH9bj-fl0
VOLCANOES BY SHIRLEY DUKE	Build a volcano to and simulate it erupting. Please have an adult assist you with this project.	<ul style="list-style-type: none"> • Vinegar • Soda bottle (2 liter) • Baking soda 	https://youtu.be/8AqoOOJ3H_I
MAKING SOCK PUPPETS BY KATHLEEN PETELINSEK	Make a new friend for yourself or for someone who could use a new one! When making your puppet, please have an adult assist you. Use your imagination and be creative when decorating your new friend.	<ul style="list-style-type: none"> • Sock • Items to decorate • Eyes or button for eyes • Hot glue • Scissors • Feathers (optional) • Cotton balls 	How to make a cat sock puppet: https://youtu.be/J2YzIXjoxuQ How to make sock puppets: https://youtu.be/e-mfUBQE3_s
ENGINEERING CHALLENGES: BUILDING RACE CARS BY SAMANTHA S. BELL	Build a car. It's time to get your inner scientist workin.	Car Directions 1 Car Directions 2	Examples of building different cars https://www.youtube.com/watch?v=hfDUf8g94nA https://www.youtube.com/watch?v=D33s_Yy6Y2g

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<p>ORIGAMI PETS: EASY & FUN OAOER FOLDING PROJECT BY ANNA GEORGE</p>	<p>Origami. Learn some Japanese paper folding skills.</p>	<ul style="list-style-type: none"> • Square sheets of paper • (some folding may require the help of an adult) 	<p>https://youtu.be/grvzG4WrsqE</p>
<p>CAVE CRYSTALS KITCHEN EXPERIMENT BY MEG GAERTNER</p>	<p>Grow your own salt crystals! Follow the instructions on the link provided with an adult for assistance.</p>	<ul style="list-style-type: none"> • Salt • Water • Wooden sticks 	<p>https://littlebinsforlittlehands.com/how-to-grow-salt-crystals-easter-science/</p>
<p>THE COLORS OF THE RAINBOW BY KIM MITZO</p>	<p>Magic milk experiment. Explore what happens when you use milk and food colors!</p>	<ul style="list-style-type: none"> • Milk • Saucer • Various food dyes • Q-tip • Dish soap 	<p>Follow the instructions from the website</p> <p>https://littlebinsforlittlehands.com/magic-milk-a-classic-science-experiment-for-kids/</p>

