

## WEEK OF Apr. 28-May 2, 2025

COURSE: 8th Grade ADV Science			TEACHER: Turner		PERIODS: 1, 2, 3, 4,6	
	OBJECTIVES	ACTIVITIES	MATERIALS	HOMEWORK	ASSESSMENT	STANDARDS
M O N	Work in teams to gather and graph data. Generate a line of best fit and derive an equation for that line. Practice making predictions from a linear equation and testing those predictions.	<b>Students will:</b> <b>ADV:</b> -Synthetic vs Natural  - Begin Barbie Doll Bungee Lab.	Barbie Doll Bungee Lab Rubber bands Meter sticks Barbie dolls	NONE	lab	Next Gen Science Standards  MS-ETS1-1. Define the criteria and constraints of a design problem with sufficient precision to ensure a successful solution, taking into account relevant scientific principles and potential impacts on people and the natural environment that may limit possible solutions.  MS-ETS1-2 Evaluate competing design solutions using a systematic process to determine how well they meet the criteria and constraints of the problem
T U E S	Work in teams to gather and graph data. Generate a line of best fit and derive an equation for that line. Practice making predictions from a linear equation and testing those predictions.	<b>Students will:</b> <b>ADV:</b> Begin Barbie Doll Bungee Lab.	Barbie Doll Bungee Lab Rubber bands Meter sticks Barbie dolls	NONE	lab	Next Gen Science Standards  MS-ETS1-1. Define the criteria and constraints of a design problem with sufficient precision to ensure a successful solution, taking into account relevant scientific principles and potential impacts on people and the natural environment that may limit possible solutions.  MS-ETS1-2 Evaluate competing design solutions using a systematic process to determine how well they meet the criteria and constraints of the problem
W E D	Work in teams to gather and graph data. Generate a line of best fit and derive an equation for that	<b>Students will:</b> <b>ADV:</b> Begin Barbie Doll	Barbie Doll Bungee Lab	NONE	lab	Next Gen Science Standards  MS-ETS1-1. Define the

	line. Practice making predictions from a linear equation and testing those predictions.	Bungee Lab.	Rubber bands Meter sticks Barbie dolls			criteria and constraints of a design problem with sufficient precision to ensure a successful solution, taking into account relevant scientific principles and potential impacts on people and the natural environment that may limit possible solutions.  MS-ETS1-2 Evaluate competing design solutions using a systematic process to determine how well they meet the criteria and constraints of the problem
T H U R S	Learn about structural engineering. Learn about engineering design and redesign. Learn how engineering can help solve society's challenges. Learn about teamwork and problem solving.	<b>Students will:</b> <b>ADV:</b> Finish Penny Boat STEM Challenge.	Penny Boat STEM Challenge	NONE	Labs	Next Gen Science Standards: MS-ETS1-1. & MS-ETS1-2
F R I	Learn about Science Careers including salary, education, certifications, etc	<b>Students will:</b> <b>ADV:</b> Research different science careers to determine the education needed to achieve the career, the annual salary, any technology used in the career, and how the career improves society.	Chromebooks Science Career WebQuest sheets	NONE	WebQuest	ACOS Digital Literacy  5. Locate, curate, and evaluate information from digital sources to answer research questions. purpose, and audience.