

<b>STEM Fall 2025: Week 3</b>				
Complete before the class on Mon, Sep 29th				
<b>STEM Assembly</b>				
Complete at least one day on the Weekly Gratitude sheet				
<b>General Sciences</b>				
	<b>Topic</b>	<b>Reading</b>	<b>Exercises</b>	
LifePac 7th Grade Unit 2	Metric System	pg. 8		
		Read link about the failure of the Mars Climate Orbiter.		
	Length	pg. 10-11	1.8 - 1.16	pg. 10-11
				1.21 - 1.32
Area	pg. 14	1.40 - 1.41	pg. 15	
<b>Aerospace</b>				
	<b>Topic</b>	<b>Reading</b>	<b>Exercises</b>	
AEX II Activity Booklet	Aerodynamic Testing		Read the link about "Drag Measurement". Explain to a family member or friend the wind tunnel that we constructed in class, the strain gauge that we used and show them the graph of our final results.	
			Read the link about "Shape Effects on Drag". In a wind tunnel which shape would move the most? Which shape would move the least?	
			Read the link about "Inclination Effects on Drag". What happens to the drag if the angle of attack becomes too great?	
			Read the two links about "Drag Reducing Aerospikes" and explain why they are added to the front of rockets and missiles.	
	Bleriot Construction	pg. 45-47	Read about Quimby's Quest.	
		pg. 47	Gather materials for the class activity.	
<b>Hybrid Mathematics</b>				
Day 1 you receive 1\$. Day 2 you receive 2\$, so that your total received is \$3. Day 3 you receive \$6, so that your total received is \$9. Day 4 you receive \$18, so that your total received is \$27. This process continues where each day the money you receive is double the amount you held from the prior day. How many days elapse until the total money you've received over all days exceeds \$1 million?				
Bring your math book to class				