

STEM Spring 2026: Week 6					
Complete before the class on Mon, Feb 16th					
STEM Assembly					
<ul style="list-style-type: none"> - Supplies: Pencils & pens, folder with paper, scientific calculator - Books: LifePac Science, CAP Astronomy, Lab Journal 				2 points	
Read through the Bible study on Proverbs 18:15 and be prepared to discuss what is meant by the "heart of the discerning" and the "ear of the wise".				3 points	
General Sciences					
Topic	Reading	Exercises			
LifePac 8th Grade Unit 3	Bases	pg. 43-44	3.1 - 3.11	pg. 44	
		pg. 45	3.12 - 3.19	pg. 45	
		pg. 46-47, 49	3.31 - 3.37	pg. 49	
	Salts	pg. 53	4.4 - 4.6	pg. 54	
		pg. 55	4.7 - 4.8	pg. 55	
			4.9 - 4.13	pg. 56	
		pg. 56	4.14 - 4.16	pg. 57	
Astronomy					
Topic	Reading	Exercises			
CAP Astronomy Booklet	Manmade Objects in Near Earth Orbits		Watch the video "Seeing Beyond: The James Webb Telescope" and be prepared to discuss the video in class.	5 points	
			Watch the video "The Webb Telescope's Optics" and write a short paragraph explaining why the primary mirrors are coated with a thin layer of pure gold.	5 points	
			Complete the NASA SpaceMath exercises, "Seeing the Distant Universe Clearly".	5 points	
			Skim through the ESA Webb Images and select your favorite image. Click on the image to get its name and be prepared to discuss the image in class and explain why you selected it.	5 points	
Hybrid Mathematics & Science Fair Project					
Watch the video on designing a geometric pattern using a protractor. Replicate the pattern OR design your own geometric pattern using a protractor. Submit your design.				5 points	
Experimentation: Continue conducting trials of your experiment (three trials total).				5 points	
			Total	50 points	