

STEM Spring 2026: Week 2					
Complete before the class on Mon, Jan 19th					
STEM Assembly					
- Supplies: Pencils & pens, folder with paper, scientific calculator					2 points
- Books: LifePac Science, CAP Astronomy, Lab Journal					
Find one bible verse that mentions stars. Be prepared to read the bible verse in class and explain what it means to you.					3 points
General Sciences					
	Topic	Reading	Exercises		
LifePac 8th Grade Unit 2	Atoms and Molecules	pg. 25-26	2.1	pg. 26	15 points
		pg. 27-28	2.2 - 2.17	pg. 29	
		pg. 30-31	2.18 - 2.28	pg. 31	
			2.29 - 2.35	pg. 32	
			2.01 - 2.020	pg. 33	
			2.021 - 2.031	pg. 34	
			2.032 - 2.036	pg. 35	
Astronomy					
	Topic	Reading	Exercises		
CAP Astronomy Booklet	Telescopes	pg. 9-11	A reflector telescope has a focal length of 900mm. What is the power (magnification) if used with an eyepiece of focal length 10mm?	5 points	
			If a 3X Barlow lens is used then then what is the resulting power (magnification)?	5 points	
			Review the images from the LMI gallery taken at the Lowell Observatory in Flagstaff, AZ. Select your favorite image and write a sentence explaining the image.	5 points	
			Skim through the Cosmic Captures site on deep sky astrophotography and watch the embedded video "Guide to Deep Sky Objects".		
Hybrid Mathematics & Science Fair Project					
Watch the video on the new type of infinity recently discovered by mathematicians. Be prepared to discuss whether or not infinity should be considered as a valid mathematical construct.					5 points
Hypothesis: Write or type your research hypothesis					5 points
Procedure: Start creating a skeleton of your procedure					5 points
				Total	50 points