STEM Spring 2026: Week 4

Complete before the class on Mon, Feb 2nd

STEM Assembly

- **Supplies:** Pencils & pens, folder with paper, scientific calculator	2 points
- **Books:** LifePac Science, CAP Astronomy, Lab Journal	
Bring in one Greek word from the New Testament and be prepared to discuss it's meaning in class.	3 points

General Sciences

	Topic	Reading	Exercises		
LifePac 8th Grade Unit 3	Matter and Change	pg. 5-6	1.3 - 1.7	pg. 8	15 points
		pg. 8	1.8 - 1.16	pg. 9	
		pg. 10	1.20 - 1.21	pg. 10	
		pg. 11	1.26 - 1.27	pg. 11	
		pg. 12, 15	1.35 - 1.42	pg. 15	
		pg. 16	1.44 - 1.46	pg. 18	
		pg. 19	1.51 - 1.58	pg. 21	
		pg. 21	1.59 - 1.63	pg. 22	

Astronomy

	Topic	Reading	Exercises	
CAP Astronomy Booklet	Earth and Night Sky		Watch the video on January 2026 Skywatching Tips from NASA to write out the definitions of the following astronomical terms: Opposition, Conjunction & Open Star Cluster.	5 points
			Go to the Fourmilab Your Sky site to make a real-time sky map with your latitude and longitude (on the "Display Options" select "Invert North and South"). Write down the Altitude and Azimuth of the Moon and the name of the planet closest to the Moon.	5 points
			Review the "Latest News" on Sky-Map and write a paragraph explaining a recent astronomical discovery.	5 points
			Skim through the list of astronomy software at Midnight Kite.	

Hybrid Mathematics & Science Fair Project

Review the algorithm flow chart for arranging three numbers, X, Y & Z, in descending order. Execute this algorithm with inputs X=2, Y=9, Z=5 and show the output that is printed.	2 points
Design an algorithm flow chart for finding the maximum of three numbers, X, Y & Z.	3 points
Bibliography: Complete your bibliography and "Works Cited"	5 points
Data Analysis: Summarize the variable to measure and how you will present your results	5 points
Total	**50 points**