

STEM Fall 2026: Week 1

Complete before the class on Mon, Sep 14th

STEM Assembly

- **Supplies:** Pencil, folder with paper, scientific calculator

- **Books:** LifePac Science, CAP Robotics, Mathematics Book

2 points

Read 1 Thessalonians 5:21 and write a sentence explaining the scientific method.

3 points

General Sciences

	Topic	Reading	Exercises	Grading
LifePac 7th Grade Unit 5	Structure of the Atmosphere	pg. 5-7	1.1-1.5	10 points
		pg. 8-10	1.8-1.21	
			1.23-1.29	
		pg. 11-13	1.31-1.38	
			1.39-1.40, 1.43	
		pg. 16-17	1.48-1.60	
			1.62-1.63	
			1.68-1.72	
		pg. 19	1.76, 1.78	
			1.01-1.016	

Robotics

	Topic	Reading	Exercises	
Introduction to Robotics Booklet	History and Uses of Robots	pg. 6-7		
		pg. 10	Write out the following definitions: <i>effectors, sensors, computer, equipment, power source</i>	5 points
			Skim-read through the IEEE article and watch the embedded videos: What is a Robot?	2 points
			Skim-read through the IEEE Robotics Glossary and write out the definition of one new term.	2 points
	Robotic Arm		Review the Robo Kits for Arduino on the Amazon LewanSoul store, in particular the \$89 model.	1 points

Science Fair

Using large cardboard boxes and packing tape or duct tape make a tri-fold posterboard for our in-class science project. The dimensions should be 36" high and 48" wide (24" center panel + two 12" side panels). Bring your tri-fold posterboard to class each week.

Mathematics

Plan out how many chapters of your math book that you intend to complete this year, and how much time you will spend doing mathematics each day (Tue-Fri). Bring your math book to class each week.