

**Advanced Math, Calculus & Physics Instructions and Schedule**  
**2024/25 School Year**

**Supplies required to begin:**

**Text:** Adv. Math (2<sup>nd</sup> Ed.), Calculus (2<sup>nd</sup> Ed.), Physics (only 1<sup>st</sup> Ed. available)

**Solution Manual:** Adv. Math (2<sup>nd</sup> Ed. 430 pages), Calculus (2<sup>nd</sup> Ed. 398 pages) Physics (285 pages)

This is not simply an answer key. All the problems have been worked out step by step.

**Boxed Paper:** Use 4 box paper

**Spiral Notebook:** College ruled (For taking notes during lessons.)

**Calculator:** Advanced Math and Calculus – TI-89 or TI-89 Titanium, Physics – Sci. calc.

**Other supplies:** See supply list elsewhere on website.

**Schedule:**

	<b><u>Adv. Math</u></b> <b>(Begin July 18)</b>	<b><u>Physics</u></b> <b>(Begin July 25)</b>	<b><u>Calculus</u></b> <b>(Begins July 18)</b>
July 18 - 19	Lesson 1		Lesson 1
July 22 - 26	Lessons 2-4	Lesson 1	Lessons 2-4
July 19 - Aug. 2	Lessons 5-7	Lessons 2-4	Lessons 5-7
Aug. 5 - 9	Lessons 8-10	Lessons 5-7	Lessons 8-10
Aug. 12 - 16	Lessons 11-13	Lessons 8-10	Lessons 11-13
Aug. 19 - 23	Class on location	Class on location	Class remains online

**Procedure – Follow each step carefully:**

Watch Lesson on video, taking notes in spiral notebook and pause the video to do all assigned problems. Fully check and correct all problems, in all sets, until you reach the correct answer. Email each fully corrected set as soon as it is completed during the online portion of the class.

1. Do all problems in problem set without referring to the solution manual.
2. Check your answers to all problems (both odds & evens). Do not refer to the solutions at this time. Rework every problem which is incorrect researching with your notes as necessary. (All errors must be corrected.)
3. Check again those you have reworked. If your answer is still wrong on the 2<sup>nd</sup> try then read the steps in the Solution Manual. Correct your work and find similar problems of this type to do for the next several days until you are able to do this type of problem easily.
4. Your general procedure for correcting work is:
  - a) Try again.
  - b) Consult your notes.
  - c) Consult the Solution Manual.
  - d) Call Mr. Derrick.
5. The above procedures are to be followed for the entire school year.

### Summer Procedure

1. Each set should be scanned in PDF format then emailed as soon as it has been completed.
2. If you are behind schedule at the end of the week, you must call Mr. Derrick and give him your catch-up plan for getting back on schedule.
3. If you do your sets early in the summer, redo the last two or three sets the week before the live classes begin.