



Physics Schedule

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Welcome to Easy Classical! Thank you for choosing us to help you home school. Whether you are brand new to homeschooling or have been homeschooling for many years, we hope that you will find Easy Classical schedules to be a great help.

How do I get started? Included in your packet is an “Instruction Sheet” (which explains how to use your schedules), an Icon Sheet (which tells the meanings of the icons placed in your schedule), 36 week-long schedules, and various forms and helps that can be photocopied for use with your child.

The instruction sheet lists the subjects, in bold, that are included in this year’s study. Under each heading is the particular book or curriculum that is recommended for use in this subject. After each recommendation are general directions for the particular subject. This will guide the daily use of the schedules.

The framework of the schedule is structured around the recommendations of Susan Wise Bauer’s book The Well-trained Mind: a Guide to Classical Education at Home. We recommend that you read this book to give you a foundation on which to base this year’s study. It will also give you a better understanding of how to use the sheets and helps that we have provided in your packet.

We pray that God would use our schedules to enhance the learning of your child, and that He will give you extra time during the year to spend with your spouse, your family, and your friends.

Thanks for choosing us to help you!



Physics Topics

Unit 1: Laws of Motion

- Week 1: Force and Gravity
- Week 2: Weight and Measuring Force
- Week 3: Balancing Forces/Center of Gravity
- Week 4: Laws of Motion
- Week 5: Friction and Resistance
- Week 6: Floating and Sinking
- Week 7: Energy and Potential Energy
- Week 8: Projectiles, Flight and Rockets

Unit 2: Simple Machines

- Week 9: Useful tools
- Week 10: Gears

Unit 3: Light

- Week 11: Transparent, Translucent, and Opaque
- Week 12: Light Travels and Shadows
- Week 13: Color in Light
- Week 14: Mirrors and Lenses
- Week 15: The Eye

Unit 4: Sound

- Week 16: How Sound Travels
- Week 17: Describing Sound
- Week 18: Resonance
- Week 19: Musical Instruments
- Week 20: The Ear
- Week 21: Sound Movement

Unit 5: Electricity

- Week 22: Static Electricity
- Week 23: Batteries
- Week 24: Circuits
- Week 25: Conductors and Insulators
- Week 26: Resistance
- Week 27: Measuring the Flow

Unit 6: Magnetism

Week 28: Magnetism

Week 29: Magnetic Poles

Week 30: Magnetic Fields

Week 31: Making Magnets

Unit 7: Electro-Magnets

Week 32: Electricity and Magnetism

Week 33: Making Electricity

Week 34: Making a Simple Electromagnetic Motor

Week 35: Making a More Complex Electromagnetic Motor

Week 36: Making a More Complex Electromagnetic Motor Continued

Easy Classical Day-by-Day Icons for Physics

These icons are in your daily schedules to remind you of tasks that should be accomplished during



This icon reminds you to do a Science Experiment.



This icon reminds you to do your Science Summary.



Physics Instruction Sheet

Directions: Prior to beginning your year, read The Well-trained Mind: a Guide to Classical Education at Home. Read the section entitled “The Grammar Stage”. This will give you a framework in which to base this year’s schooling. You will not be able to accomplish everything suggested in this book, so don’t get overwhelmed! Use the suggestions in the “How to Do It” section in the science chapter of the book to set up a notebook for your child. After you have an understanding of the classical method of education, begin looking through all of the enclosed materials, please keep in mind that you may not be able to do EVERY assignment EVERY week. That’s OK! Unexpected things happen, and if you need to skip an occasional assignment, feel free. This year is especially jammed packed with a variety of projects and lessons. Feel free to choose the project that best suits your child. If (s)he is a kinesthetic learner, do more of the hands on projects. If your child is more of a visual learner use the pictures to aid in learning. If (s)he is an auditory learner make sure you focus on the reading that is scheduled. There are a variety of projects placed in the schedule to give you flexibility and a variety of choices. Do not get bogged down trying to complete all of the projects. Only use these as an aid to learning. The first four years are building block years, and you are laying the foundation for future study.

With these thoughts in mind, open to “Week 1~Schedule”. Write the date in the top left hand corner of the sheet. Look across each row. The first row lists the days of the week. Under the days of the week notice the rows highlighted in blue. The blue rows are the subject headings. The rows under the blue rows are the books and assignments for the week. Look down each column. The first column lists each book used during this week. At the top of the second column is Monday. Scan down the Monday column to see the assignments scheduled for the day. Check off each assignment as you complete them. Move to Tuesday, Wednesday, Thursday and then Friday as you complete the tasks during the week. Continue to check off the tasks as you complete them. This will give you and your child a sense of accomplishment as well as help you keep track of what you need to finish. You can be confident you are accomplishing enough each day to reach your goals by the end of the year!