

# WELCOME to RS4K's Pre-Level 1 Physics Online Class

Please print pages 1-3 of the Syllabus and fill out and return page 4. Thank you.

## Class Schedule

Thur, Sept. 2	Week 1	Introduction Session/ Chap.1 <b>What is Physics?</b>
Mon, Sept.12	Week 2	<b>Exp.1</b> Falling Objects/ Chap. 2 <b>Push and Pull</b>
Mon, Sept 19	Week 3	<b>Exp.2</b> Get to Work/ Chap. 3 <b>Kinds of Energy</b>
Mon, Sept. 28	Week 4	<b>Exp.3</b> Moving Energy in a Toy Car?/ Chap. 4- <b>When Things Move</b>
Mon, Oct. 3	Week 5	<b>Exp. 4</b> Rolling Marble/ Chap. 5- <b>Chemical Energy</b>
<b>NO CLASS meeting on Monday, October 10th</b>		
Mon, Oct. 17	Week 6	<b>Exp. 5</b> Lemon Energy/ Chap. 6 <b>Electricity</b>
Mon, Oct. 24	Week 7	<b>Exp. 6</b> Sticky Balloons / Chap. 7 <b>Moving Electrons</b>
Mon, Oct. 31	Week 8	<b>Exp. 7</b> Moving Electrons/ Chap. 8 <b>Magnets</b>
Mon, Nov. 7	Week 9	<b>Exp. 8</b> Magnet Poles/ Chap.9 <b>Light and Sound</b>
Mon, Nov. 14	Week 10	<b>Exp. 9</b> Splitting Light/ Chap.10 <b>Saving Energy</b>
Mon, Nov. 21	Week 11	<b>Exp. 10</b> Playing with Physics/ <b>CLASS FOLLOW UP</b>



RS4K materials needed:

- **RS4K Pre-Level 1 Physics Student Textbook**
- **RS4K Pre-Level 1 Physics-Lab note book**
- **RS4K Pre-Level 1 Physics Teacher's Manual**

**Optional item:**

**RS4K Pre-Level 1 Physics Study Folder notes**

Available for purchase as an electronic download: [www.gravitaspublications.com](http://www.gravitaspublications.com)

2 Manila folders, scissors, 2 glue sticks, 2 pencils, a set of colored pencils,

**Additional items:**

- 2 pencils, a set of colored pencils, yellow highlighter or a sticky note pad
- 1 package of 3 x 5 cards



### **IMPORTANT INFORMATION:**

The live class lectures will focus on the **Pre-Level Physics experiments** that are in the Pre-Level 1 Physics lab notebook. Students will be guided through one experiment each week. At the end of each experiment session there will be time for students and parents to ask questions. **All sessions will be recorded and available to view for 2 weeks.\***



**Weekly Recorded Chapter Lecture:** Each week you will be sent an invitation to view the **Pre-Level Physics** chapter lecture. Parents and students are encouraged to view this recording each week. **The lecture will provide an overview of the chapter for students and experiment set-up TIPS for parents.**

If students and/or parents have questions about concepts, please email **karen@ibd-kids.com** and questions will be addressed during the **chapter lecture**.

\*Please note: The chapter lectures session recording will be available for viewing for 2 weeks after the invitation has been sent.



**ONLINE CLASS INFORMATION:** You will receive a meeting invitation via email 1 - 3 days prior to class and a reminder message on Monday. You will be able to log in to the class 10 minutes beforehand which will allow you to setup and make sure everything is working correctly. **Example of the message you will receive:**

- **Topic:** Pre-Level Physics online class
- Date:** Monday, Sept. 12, 2011
- Time:** 1:30 pm, Mountain Daylight Time
  1. Go to <https://rs4konline>.
  2. If requested, enter your name and email address.
  3. Enter the meeting password: **scientist**
  4. Click "Join".



**How do you make up a session if you miss the "Live" presentation?**

Each week, via email, you will receive a link which will allow you to listen and review the presentation or **if you missed the presentation then you can watch the recording of the session.\*All sessions will be available to view for 2 weeks.**

✚ **ONLINE CLASS ETIQUETTE:** During "live" class sessions, the "chat" feature should be used only to communicate about class related information and questions. Messages that are unrelated to the topic are distracting. Parents please discuss etiquette with your child and monitor use of the chat feature. Thank you.

✚ **WEEKLY EXPERIMENTS:** Please look at the beginning of the Teacher's Manual and you will find a list of the materials needed for each experiment. All items are easy to find. You may have many of the items around your home. Otherwise you should be able to purchase items at a local store. During the class sessions, students will be introduced to the **Scientific Method of Experimentation**. Students will focus on **MAKING OBSERVATIONS**. Each experiment in the Pre-Level Physics Lab notebook is set up as follows:

- I. Observe it
- II. Think about it
- III. What did you discover?
- IV. Why?
- V. JUST for FUN!

✚ **HOMEWORK and QUIZZES** will be posted on Quia.com's website. You will have access to the website via a password. More information about how to access quia.com will be shared during the **INTRODUCTION SESSION** on **Thursday, Sept. 1st**.

✚ **Pre-Level Physics Online class Facebook page:** The goal of the facebook page is to invite participants to **post information, questions, results and photos** about the **experiments**. Please let me know if you are interested participating. Please note, it is OPTIONAL. Dr. Keller, the author of the RS4K curriculum, thought it might be a fun way for participants to communicate with each other about the class.

Thank you for enrolling in the **RS4K Pre-Level 1 Physics Online Class**. I look forward to meeting you.

If you have any questions, please email Mrs. Karen Wood [karen@ibd-kids.com](mailto:karen@ibd-kids.com)

## RS4K's Pre-Level 1 Physics Online Class

**After reading the schedule and important information about the Real Science Pre-Level 1 Physics Online Class, please copy and paste this page and send this to Mrs. Karen Wood at [karen@ibd-kids.com](mailto:karen@ibd-kids.com)**

Please fill out the information below. Thank you.

**Yes, syllabus information has been read by the Parent and explained to the Student.**

**Date:**

**Parent's Name:**

**Student's Name:**

**Do you have any questions about the class? Please use the space below.**