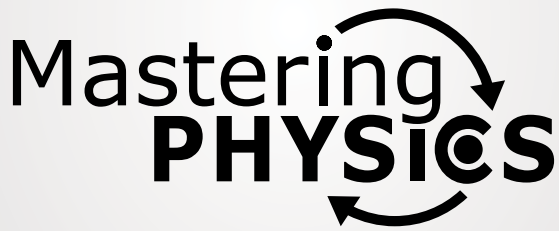


STUDENT EDITION

Getting Started with

Mastering  
**PHYSICS**

The logo for Mastering Physics features the word "Mastering" in a standard sans-serif font above the word "PHYSICS" in a bold, all-caps sans-serif font. Two curved arrows are positioned around the text: one above "Mastering" pointing right, and one below "PHYSICS" pointing left, creating a circular flow around the central text.

PEARSON

The Pearson logo consists of the word "PEARSON" in a bold, all-caps sans-serif font, centered within a white rectangular border. Below the text is a white curved line that forms a shallow arc.

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Rev. MPS-2.00

## Welcome to MasteringPhysics

MasteringPhysics™ ([www.masteringphysics.com](http://www.masteringphysics.com)) is the most advanced, educationally effective and widely used physics homework and tutorial system available. Based on years of research on how students work physics problems, MasteringPhysics can coach you with feedback specific to your needs and provide simpler subproblems and hints when you get stuck.

**As an online homework/tutoring system**, MasteringPhysics enables your instructor to give you homework assignments tailored to the goals of the course and that prepare you for tests. By providing you with instant grading, feedback, and help while you study, MasteringPhysics has proven educational benefit. Studies show that students who use MasteringPhysics for homework significantly increase their scores on final exams when compared with handwritten homework.

**As a self-study website:** The Study Area in MasteringPhysics provides you with an outstanding array of media-rich self-study resources. The ActivPhysics OnLine™ library of interactive simulations can help you better understand key physical processes, experiment quantitatively, and develop your critical thinking skills. This library contains thought-provoking questions and activities to guide your understanding of physics. *Self-study resources are not available for all textbooks.*

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## Check System Requirements

Subject to change. To view the latest requirements, go to [www.masteringphysics.com/support](http://www.masteringphysics.com/support) and click System Requirements.

- **Windows:** Microsoft® Windows 2000, XP, Vista
- **Macintosh:** Apple® MacOS® 10.2, 10.3, 10.4, 10.5
- **Linux:** RedHat® Linux® 8.0, 9.0

For all:

- **Screen resolution:** 1024 x 768
- **Internet connection:** 56K modem minimum. Broadband cable, high-speed DSL, or other equivalent is recommended for multimedia content. (Multimedia content may be used in assignments or in the Study Area, if available.)
- **Browser (OS dependent, check website for more detail):**  
Firefox® 1.5, 2.0; Internet Explorer 6.0, 7.0; Safari® 1.3, 2.0, 3.0  
*AOL Users:* Use version 4.0 or greater. Sign on using AOL. Then, minimize AOL (do not close) and then launch any supported browser.
- **Browser settings and players/plug-ins:**
  - **Javascript** should be enabled in your browser.
  - Any **popup blocker** should either be disabled or set to allow popups from: [session.masteringphysics.com](http://session.masteringphysics.com)
  - **Flash™ Player** 9.0 or higher (downloadable from [www.adobe.com](http://www.adobe.com))

## Before You Register

Check that you have the following information handy before you go online to register:

### Email Address

Use a valid email account that you check regularly, since your registration confirmation (or online purchase confirmation, if applicable) will be sent to the email address you provide. If you don't have one yet, contact your school's technology center or set up a free account on a website that offers this service.

Write your email address here: \_\_\_\_\_

### Student Access Code

This is a six-part printed code supplied beneath the pull-tab inside your MasteringPhysics Student Access Kit. A student access kit is provided with the purchase of a new textbook. Access codes look like this:

NANTW-FORM-PAPER-BLASE-PENCH-WARMD

Each code is valid for one student registration only. If you don't have an unused code, you can purchase access online. (To purchase access online: [www.masteringphysics.com](http://www.masteringphysics.com) > New Students > No, I need to purchase access online now. Then, follow the on-screen instructions.)

**If your instructor informs you that you will have assignments from the MasteringPhysics site**, your instructor will provide you with the following ID information for enrolling in his or her online MasteringPhysics course:

**Course ID**

The Course ID is unique to your instructor's online course.

If applicable, write your instructor's Course ID here: \_\_\_\_\_

**Student ID**

The Student ID may be your college ID, the last 4 digits of your Social Security number (U.S.), or some other convention that your instructor uses to identify you in his or her online gradebook.

If applicable, write your Student ID here: \_\_\_\_\_

**About registering or purchasing access online:**

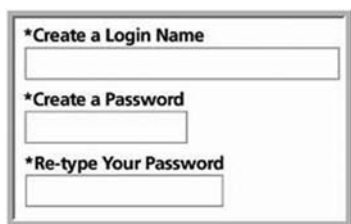
<p><b>If your online registration session is interrupted for any reason...</b></p>	<p><b>You can always go back and restart.</b></p> <ul style="list-style-type: none"><li>• Your student access code is valid until you complete the process successfully.</li><li>• For online purchase, your credit card or other account is not charged until you complete registration.</li></ul>
<p><b>If you ever need to change any account information you provide during registration...</b></p>	<p><b>You can edit your account information AFTER you register.</b></p> <ul style="list-style-type: none"><li>• <i>To change your email address, login name, or password:</i> Click <b>Edit Account Info</b> (at the bottom of the page) after you log in to MasteringPhysics.</li><li>• <i>To change your Student ID, if applicable:</i> Click <b>Edit Student ID</b> (at the bottom of the page) after you log in to MasteringPhysics.</li></ul>

# 1. Register for MasteringPhysics

*These instructions are accurate at time of printing. Your experience may vary slightly.*

- Go to **www.masteringphysics.com** and click **New Students** under Register.
- To register using the Student Access Code located inside the MasteringPhysics Student Access Kit, click **Yes, I have an access code**.  
–OR–  
**Purchase access online:** Click **No, I need to purchase access online now** and follow the on-screen instructions to purchase access using a credit card or other method. (The purchase path includes registration, but the process differs from the steps here.)
- **License Agreement and Privacy Policy**  
Click **I Accept** to indicate that you have read and agree to both the license agreement and privacy policy.
- **Do you have a Pearson Education account?**  
Yes - Enter your established Login Name and Password, even if your access to another Pearson Education website has expired. If you provide this, you may be asked to create a more secure password later.

No - You will be asked to specify a Login Name and Password, then to confirm your password by retyping it.



The image shows a registration form with three input fields. The first field is labeled '\*Create a Login Name'. The second field is labeled '\*Create a Password'. The third field is labeled '\*Re-type Your Password'.

Not Sure - If you can, enter the email address associated with your Pearson Education student account and click **Search**.

- **Access Code**  
Pull back the tab (located inside the Student Access Kit card) to reveal your student access code.

Type your six-part student access code, one part in each box. Don't type the dashes.

A form titled "\* Access Code" containing six input boxes separated by dashes. The first three boxes contain the text "cited", "atopy", and "new" respectively. The last three boxes are empty.

Once you register for this site, you will not need this access code any longer.

### ➤ **Personal Information**

Enter your first and last name, as well as a valid email address that you check regularly.

Your registration confirmation will be sent to the email address you provide.

A form with three input fields. The first two are labeled "\* First Name" and "\* Last Name". The third is labeled "\* Email Address".

### ➤ **School Location**

Enter the requested information to help identify your school location. You may see any of the following:

#### – *School Country*

Select your country from the list. If unavailable, select **Other** from the bottom of the list.

Depending on the country you selected, you may see any of the following:

#### – *School ZIP or Postal Code*

If unsure of this, click the link to help you locate this information.

#### – *School Name*

#### – *School City*

#### – *School Province*

### ➤ **Security Question**

Select a security question and enter the answer. *This question is used in the event that you contact us and your identity must be confirmed.*

A form with two input fields. The first is a dropdown menu labeled "\* Security Question" with the text "Select the question you want us to ask you" and a downward arrow. The second is a text box labeled "\* Your Answer".

➤ **May we contact you?**

You have the option to receive information about related educational products and services.

- Click **Next** (only once!) to submit your registration for processing, which takes just a few moments.

➤ **Confirmation & Summary**

A confirmation page informs you of the site(s) you have access to and that you will be receiving a confirmation email.

*The confirmation email contains your login name and password for your reference. Your subscription to MasteringPhysics is good for 24 months from the time you first register.*

## 2. Log in to MasteringPhysics

Log in to MasteringPhysics as follows:

- *If you are continuing from the Confirmation & Summary page (from last step in previous section):*

Click **Log In Now**.

- *If you have left the Confirmation & Summary page, you can log in later:*

Go to **www.masteringphysics.com**, enter your login name and password, and then click **Log In**.

	<b>Follow the instructions in...</b>
If your instructor has given you a Course ID	"Enroll in your instructor's MasteringPhysics course (provide Course ID)" below.
If you don't have a Course ID	"Go to the Study Area in MasteringPhysics" on page 7.

## Enroll in your instructor's MasteringPhysics course (provide Course ID)

If your instructor informs you that you will be using MasteringPhysics for assignments, you need to log in to MasteringPhysics and enter your instructor specified Course ID and Student ID. Doing so enrolls you in your instructor's MasteringPhysics course so that you can view class assignments. You will also be able to access the Study Area for your textbook, if self-study resources are available for your book.



- Enter the **Student ID** according to instructions from your instructor. You can safely ignore this field now if you haven't been given information about a Student ID. *To enter your student ID later:* Log in to your MasteringPhysics course and click **Edit Student ID**.

- Enter your instructor–provided **Course ID**.

*The Course ID field is not case-sensitive, so you can enter either lowercase or uppercase characters. Make sure you type in the exact Course ID the professor gave you so that you enroll in the correct online course. If you get an error message, please confirm with your instructor that he or she has enabled student enrollment for this course.*



The image shows a registration form with two input fields: "Student ID:" and "Course ID:". Below the "Course ID:" field is a red error message that reads "REQUIRED: please enter Course ID provided by instructor." At the bottom left of the form is a "Save" button.

- Click **Save** to view your MasteringPhysics course home page, welcoming you to the online course. The next time you log in, you will go directly to your home page for the course.

**To view your instructor's assignments:** Click **Assignment List** on the left.

**To view self-study resources:** Click **Study Area** on the left.

## Go to the Study Area in MasteringPhysics

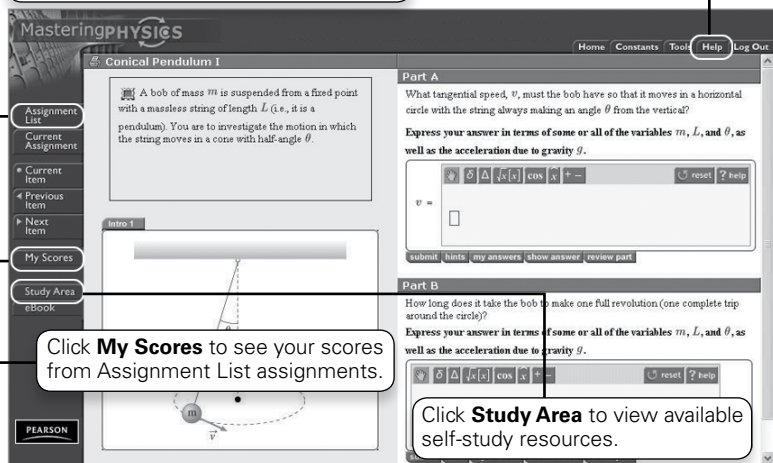
If Study Area resources are available for your textbook, you can access them by following these steps.

- Upon logging in for the first time, select the title and edition that matches your textbook. Then, click **Go to Study Area**.
- Click **Study Area** on the left.

# Using MasteringPhysics

Click **Assignment List** to view instructor assignments. (Applies if you received a Course ID and enrolled with it.)

Click **Help** for how-to information about working in MasteringPhysics.



Click **My Scores** to see your scores from Assignment List assignments.

Click **Study Area** to view available self-study resources.

Click **Assignment List** on the left to check for activities that your instructor has assigned. Your instructor controls when each assignment is available for you to open.

- Each item in an assignment may have one or more parts (Part A, B, etc.)
- If you have trouble answering a question: Click the Hints button for clues or simpler questions. (Hints may not be available for all questions.)
- When you finish submitting answers to ALL of the Parts, click the button at the very bottom to view your Score Summary.

Click **My Scores** on the left to view your score after you complete an assignment.

Your assignment results will also appear in your instructor's MasteringPhysics online gradebook. Instructors can tell whether or not you have completed assignment items that are "for practice."

Click **Study Area** on the left to access self-study activities.

Applies if self-study activities, such as ActivPhysics Online™, are available for your textbook. If you participate in an online course, you can still access the Study Area after the course ends.

Click **eBook** for online access to your textbook whenever you log in to MasteringPhysics.

Applies if an eBook is available for your text and if your subscription to MasteringPhysics includes eBook access.

For more information about using MasteringPhysics:

- **When you first log in:**  
Check out the information available from the Welcome page.
- **For hands-on practice:**  
Your instructor may assign *Introduction to MasteringPhysics*, available in the Assignment List area. If so, this is an excellent way to learn how to use the program.
- **To get “how-to” help as you work in MasteringPhysics:**  
Click Help at the top right.

**Your subscription to MasteringPhysics also entitles you to complimentary Pearson Tutor Services**, including real-time chat, email, and scheduled appointments with highly qualified online tutors. (Some restrictions apply and offer is subject to change without notice.) For more information: Click the Tutoring Services link on your MasteringPhysics home page.

## Logging out of MasteringPhysics

To end your session in MasteringPhysics:

- Click **Log Out** at the top right.
  - *You can log out any time during an assignment.* Your work is automatically saved if you take a break and log in again later to finish a problem.
  - *After a period of extended inactivity, you will automatically be logged out of your session.* This automatic logout is designed to protect your account security in the event that you step away from your computer. When this happens to you, simply log in again.
  - *Avoid just closing the browser window (especially in a computer lab environment).* This may not end your personal MasteringPhysics session.

## Contacting Customer Technical Support

Support for MasteringPhysics students is available at:

**[www.masteringphysics.com/support](http://www.masteringphysics.com/support)**

## Subscription Duration and Changing Physics Courses

Your subscription for MasteringPhysics usage is good for 24 months from the time you first register. If you enroll in an instructor MasteringPhysics course with a Course ID, note the following:

- **Instructors set the course end date for any MasteringPhysics course in which you enroll.** You can continue to log in to your instructor's online course as long as its end date has not passed.
- **Your subscription grants you access to ONE MasteringPhysics course at a time.** At the end date of your first course, you are automatically disenrolled from that course. The next time you log in to MasteringPhysics, you'll be prompted for a new Course ID and Student ID. Ask your new instructor for this information.
- **If you change instructors during a semester after enrolling in a MasteringPhysics course:** You will need to have your first instructor manually disenroll you from the first course, so that you may enroll in a new course with a different Course ID. This is true for students who change course sections when both instructors require students to complete assignments in MasteringPhysics.