

# Diagnostic Learning Environment Project

## Overview:

[Diagnoser.com](https://diagnoser.com) will be used in this project to show how a diagnostic learning environment can be integrated into an existing curriculum unit. The course instructor has set the learning goals for a weekly unit – *Gravitational PE* → *Kinetic Energy*. Teacher candidates will complete an online diagnostic test by **noon on Tuesday, October 6, 2020**. Teacher candidates will then access a class report for that week. They will then use summary statistics for the class to identify activities that can be used to remediate student deficiencies in understanding identified through Diagnoser.com.

## Procedure:

1. As soon as possible, login to [diagnoser.com](https://diagnoser.com) as a student using the username (typically looking like 721-23-#) and 4-digit password provided by the course instructor. Keep your student username and password secure, sharing it with no one to retain your privacy.
2. Once you have logged in, examine the Current Assignments window that will show you the available Diagnoser set name and due date. Click START to begin the diagnosis. Note that the Diagnoser assignment must be completed by Tuesday at noon on October 6, 2020 so that a Teacher Report can be generated for all students enrolled in PHY 302.
3. After you have completed the diagnostic activity, log out.
4. After noon on Tuesday, October 6, watch for the diagnostic Teacher Report from your instructor sent via email.
5. In the Teacher Reports, you will see both individual and summary test results. Focus your attention on the summary information. Look for facets that show up more than once at least 25% of the time (for this course at least; you might want to set a different threshold for your own high school course).
6. Write a reflection that includes the following: (a) date, (b) topic, (c) list all facets that appear more than once at least 25% of the time, and (d) for each of these facets in "c" describe briefly in paragraph form prescriptive activities for overcoming each of these student difficulties.
7. Create your own Diagnoser page as a teacher, creating a fictitious course and class of 12 students. Also, create an assignment. Take screen shots to document the fact that you have done both. Include within your reflection; do not send screen shots separately.
8. Turn in your reflection electronically to the PHY 302 course instructor.