

**IS REMEMBERING ALL THE  
FACTS ENOUGH?**

*isn't it time to make a change?*

## Have you ever ...

woke up from a day dream in the middle of a class just to find out the lesson was so unattractive and boring for your brain that it started wandering off minutes ago? And have you been disappointed that it only got you through 5 minutes and there's the rest of the class to fake-listen to?

The good news is: you are not alone! And the bad one's : so many other students suffer from wrong teaching policies all over the world that forces them to only accumulate data inside their brain without telling them why or how are they learning them.



**AN INTRODUCTION TO PBL  
PROBLEM  
BASED  
LEARNING**

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## Problem based learning



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# Something's wrong



According to the NAEP reading test done in 1996 by U.S National Center for Education Statistics: "57 percent of 17-year-olds scored below the level necessary to "find, understand, summarize, and explain relatively complicated literary and informational material" Only 10 percent of students scored in the top two levels (proficient and advanced) on the NAEP history test. And while more than half of 17-year-olds (59 percent) could answer "moderately complex procedures and reasoning," only 7 in 100 showed a mastery of "multi-step problem solving and algebra" In science, less than half (47 percent) could "analyze scientific procedures and data," with only 10 percent able to "integrate specialized scientific information". Sufficient to say: something's wrong here.

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## WHAT IS PBL?

Problem-Based Learning (PBL) is a teaching method in which complex real-world problems are used as the vehicle to promote student learning of concepts and principles as opposed to direct presentation of facts and concepts. In addition to course content, PBL can promote the development of critical thinking skills, problem-solving abilities, and communication skills. It can also provide opportunities for working in groups, finding and evaluating research materials, and life-long learning



*"To produce doctors capable of managing health problems of those who seek their services, in a competent and humane way. To do this, the doctors . . . must have both knowledge and the ability to use it" –Howard Barrows*

