# Teaching Problem Solving & Problem-Based Learning

## Learning, Teaching and Designing Problem Solving: An Assessment

<http://www.foshay.org/PDFs/Learning,%20Teaching,%20and%20Designing%20Problem%20Solving%202a%20-%20Fosh.pdf>

## Problem-Based Learning (Illinois Center for Innovation in Teaching & Learning)

<https://citl.illinois.edu/citl-101/teaching-learning/resources/teaching-strategies/problem-based-learning-(pbl)>

## Problem-Based Learning – Diana Wood – NIH

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1125189/>

## Problem-Based Learning – Republic Polytechnic: Singapore

<https://www.rp.edu.sg/learning-and-teaching/pbli-programmes>

## Problem-Based Learning – Wikipedia

<https://en.wikipedia.org/wiki/Problem-based_learning>

## Problem-Based Learning: Six Steps to Design, Implement and Assess

<https://www.facultyfocus.com/articles/course-design-ideas/problem-based-learning-six-steps-to-design-implement-and-assess/>

## Principles for Teaching Problem Solving – PLATO Learning

<http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.200.3382&rep=rep1&type=pdf>

## Teach Engineering

<https://www.teachengineering.org/lessons/view/cla_lesson2_problem_solving>

## Teaching Problem Solving – Teacher Vision

<https://www.teachervision.com/problem-solving/problem-solving>

## Teaching Problem Solving - Vanderbilt

<https://cft.vanderbilt.edu/guides-sub-pages/problem-solving/>

## Teaching Problem-Solving Skills

<https://uwaterloo.ca/centre-for-teaching-excellence/teaching-resources/teaching-tips/developing-assignments/cross-discipline-skills/teaching-problem-solving-skills>

## The Challenge of Problem-Based Learning (Google Books)

<https://books.google.com/books?hl=en&lr=&id=0R0uAgAAQBAJ&oi=fnd&pg=PR6&dq=problem+based+learning&ots=PsdmP52pvg&sig=Xra4-PAwraup3UYI0khB4a4D93A#v=onepage&q=problem%20based%20learning&f=false>

## Sample Problems from the University of Delaware (PBL)

<http://www1.udel.edu/inst/resources/sample-problems.html>

# Current Problems in Various Disciplines

## Ten Challenges Facing Public Education Today

<http://neatoday.org/2018/08/03/10-challenges-facing-public-education-today/>

## Three Key Challenges Facing Agriculture

<https://www.oecd.org/agriculture/key-challenges-agriculture-how-solve/>

## Top 5 Wicked Problems the World Desperately Needs to Solve

<https://www.elephantjournal.com/2015/07/top-5-wicked-problems-the-world-desperately-needs-to-solve/>

## Top 10 Problems Faced by Business

<https://www.leanmethods.com/resources/articles/top-ten-problems-faced-business/>