

PISA
Partnership to Improve Student Achievement
Mathematics and Science Partnership Program

Guidelines for Mini-Portfolio
Teacher Project in Year 3

Components of the mini portfolio and due dates

Components	Due Date
1. One lesson plan of a developed science lesson using the PBL framework. Please include hand-outs and assessment that you will use in teaching the lesson.	Draft- Last day of the summer institute Revised and Final Plan- November 30, 2009
2. Nine examples of student work that demonstrate science learning	April 30, 2010
3. One teacher reflection on your experience teaching science	April 30, 2010
4. Others (optional)	

Prescribed lesson plan format

1. Title
2. NJ Core Curriculum Content Standards addressed in the lesson
<http://www.state.nj.us/education/aps/cccs/2009/stem/index.html>
3. Materials needed
4. Objectives of the lesson
5. Instructional activities- Use the problem-based learning (PBL) framework
6. Modification for different learners (optional)
7. Homework
8. Assessment

Guidelines for selecting student work after teaching the science lesson

1. Select 3 above average, 3 average, and 3 below average examples of work from students. Please do not forget to label them.
2. Remove or replace students' names with pseudo-names.
3. Identify and explain the criteria that you use to evaluate the lessons.

Guidelines in writing the reflection based on teaching the science lesson

1. Use 12 pt font, Times New Roman, double space, and one page minimum.
2. Reflect on your experience teaching your PBL lesson. Answer these questions:
 - a. What worked well in your lesson?
 - b. What would you do differently next time and why?

Steps of Problem-based Learning (PBL)

From NATURE Online (<http://www.pbs.org/wnet/nature/teach.html>)

