

Teaching with Questions

Tentative template for question design

- **Define your learning objectives**
When students address the question, and engage in related discussion, what should they learn?
- **Identify your assessment outcomes**
What are you hoping to measure about student attitudes, pre-conceptions, skills, abilities knowledge that will help:
 - The student understand how well they understand the material
 - How you should adjust your teaching.
- **Develop your lesson plan**
What happened in the course that leads up to this question, and where will it go?
- **Determine the format of the question**
Standard format list might be applicable that could include:
Survey, calculation, problem solving, recall, reasoning, model choosing, model using, etc....
- **Develop the questions**
List them here with all related diagrams, answers etc....
- **Make distinguishable connection to learning objectives**
- **Plan for possible responses**
Which answers will the students choose most frequently? Why?
What discussion will develop?
Which discussion points are most relevant to the learning and assessment objectives?
How will you guide discussion?
- **Design the sequence of learning activities**
Where will the class time go next? What follows the question?
- **Keep the records of the event**
 - What is the PRS input data?
 - What is the record of class questions and discussion?
- **Connect questions with corresponding exam questions**
How will the PRS question relate to exam questions?
How will students use the PRS event as a guide for preparing for the exam?