2011 Science, Phys Ed and Health Ed Summer Review Institute

# Teachers' Textbook Appraisal

Local school boards may also want to consider other criteria to meet the needs of their student population.
All teachers that reviewed this material are highly qualified in their specific field in education.

Textbook Title: Conceptual Physics
Publisher: Prentice Hall
Grade Level: 9-12
ISBN No. Teacher Edition: 9780133647501
ISBN No. Student Edition:

## TEXTBOOK ORGANIZATION

- Each chapter is followed by assessment with additional problems at the back of the book
- Traditional sequence and topics
- Separate lab book
- Multiple student-centered activities
- Chapters include: think activities, do the math activities, and discover labs
- Physics taught through everyday application and materials
- Clarifies the reading with many visuals
- Age-level vocabulary well written

## STUDENT ASSESSMENT SUPPORT

- Assessments at the back of the chapter include questions at all levels of Bloom's taxonomy
- Excellent range of assessment questions that lead the student to deeper understanding
- The assessments are a variety of conceptual (written response) problems through algebraic mathematics solutions

## ADDITIONAL CRITERIA

- Connection to content made through everyday experiences
- Excellent graphics
- Separate section for problems that require trigonometry
- Clearly and simply explains difficult concepts
- A very engaging text with multiple opportunities for student interaction

## TEACHER COMMENTS

- Very readable! A good book. (JR)
- Text engages students to really understand the concepts of physics. Does not include many more rigorous problems. (JW)
- Simple student activities required limited equipment (low-cost labs). Activities and examples can be grasped by the student because they are presented in everyday scenarios. (RP)