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: Chemistry Matter and Change
Publisher: Glencoe/McGraw-Hill
Grade Level: 9-12
ISBN No. Teacher Edition:9780078964060
ISBN No. Student Edition:

## TEXTBOOK ORGANIZATION

- Objectives and vocabulary given on first page of every section.
- Full periodic table in the back cover of the book.
- Teacher pages include list of materials for each lab.
- Full color pictures and graphics throughout the text assist in student comprehension of materials.
- Contect flow is logical
- TE Planning pages include notations for differentiated instruction (below level, advanced learners and ELL).
- Definite levels of comprehension.
- Organized and concise.
- Cumulative Review to reinforce and re-teach subject matter.
- Organization within chapters provide for conceptual growth.
- Pacing guide provided to facilitate instruction.

## STUDENT ASSESSMENT SUPPORT

- Chapter assessments and standardized test practice provide many and varied questions for practice including charts and tables.
- Many opportunities for review, reinforcement, critical thinking and advancement of skills and knowledge.
- Mathematically concise and progressive with testing and practice of concepts.
- Variety of labs, mini-labs and demo labs that match content.
- Teacher sidebars give methodologies in assessing learners at every ability level.
- Section of supplemental problems included at the back of the book.

## ADDITIONAL CRITERIA

- Extensive example problems followed by student problems is a nice feature.
- The Spanish/English glossary is a wonderful feature.
- Online access to teacher lab pages and student investigations.
- Readability level is appropriate with Lexile Score of 1130.
- Vocaulary divided between new and review – cumulative.
- Essential questions provide focus.
- Excellent appendicies for support.
- Addresses and provided levels for differentiated instruction.

## TEACHER COMMENTS

- Organized and concise. EP
- Sidebars provide additional resources and ideas. EP
- Mathematically integrated and well presented. EP
- Aligned to National Standards and SBA, but needs New Mexico Standards. EP
- Foldables for each chapter help students organize information. LG
- Ideas for demos and additional teacher support given in teacher sidebars. LG
- Overall, text includes multiple levels of learning; basic knowledge, application, and analysis. JM