Appendix C

Materials and Assessment

TEXTBOOKS

Grades 6-8: *Interactive Science,* Pearson Education, 2011

Grade 6	Grade 7	Grade 8
Science and Technology	The Diversity of Life	Cells and Heredity
Earth's Surface	Introduction to Chemistry	Human Body Systems
Earth's Structure	Forces and Energy	Sound and Light
Astronomy and Space		Water and the Atmosphere
Ecology and the Environment		

SUPPLEMENTAL MATERIALS

Science and Technology for Children Program (STC), Carolina Biological Supply Company for the National Science Resource Center (NSRC)
Earth's Oceans, MacMillan/McGraw-Hill, 1995
Exploring Space, MacMillan/McGraw-Hill, 1993
Energy Transfers, Heinemann-Raintree, 2006
Friction and Resistance, Heinemann-Raintree, 2007
Gravity, Heinemann-Raintree, 2007
Rock Cycles, Heinemann-Raintree, 2005

METHODS OF ASSESSMENT

Student assessment in science should include the following:

- Modeling
- Whole and small group activities
- Cooperative learning
- Vocabulary attack
- Discussion
- Independent practice
- Problem solving
- Controlled experiments
- Developmentally appropriate activities
- Projects (group and individual)
- Laboratory work
- Opportunities for student-directed inquiry in connection to unit standards

METHODS OF ASSESSMENT

Student assessment in science should include the following:

- Tests and Quizzes (standardized or teacher-made)
- Teacher observation of class work and homework
- HOT (higher order thinking) questions and answers including inferential thinking and critical thinking questions
- Participation in class and group work
- Portfolio assessment
- Journal entries
- Science notebook
- Projects (individual and group)
- Lab Reports