

## Annually Assessed Science Benchmarks: Level 2, Grades 3-5

updated: 2005Jul22

SSS #	Benchmarks	Test Item Type
SC.A.1.2.1	The student determines that the <b>properties of materials</b> can be compared and measured.	MC
SC.A.1.2.4	The student knows that <b>different materials</b> are made by physically combining substances and that different objects can be made by combining different materials.	MC
SC.B.1.2.1	The student knows how to trace the <b>flow of energy</b> in a system.	MC, SR
SC.B.1.2.2	The student recognizes various <b>forms of energy</b> .	MC
SC.C.2.2.4	The student knows that the <b>motion</b> of an object is determined by the overall effect of all of the forces acting on the object.	MC, SR, ER
SC.D.1.2.4	The student knows that the surface of the <b>Earth is in a continuous state of change</b> as waves, weather, and shifts of the land constantly change and produce many new features.	MC, SR, ER
SC.E.1.2.1	The student knows that the <b>tilt of the Earth</b> on its own axis as it rotates and revolves around the sun causes changes in season, length of day, and energy available.	MC, SR
SC.F.1.2.3	The student knows that living things are different but share <b>similar structures</b> .	MC, SR
SC.G.1.2.2	The student knows that <b>living things compete</b> in a climatic region with other living things and that structural <b>adaptations make them fit</b> for an environment.	MC, SR
SC.G.1.2.3	The student knows that <b>green plants</b> use carbon dioxide, water, and sunlight energy to turn minerals and nutrients into food for growth, maintenance, and reproduction.	MC, SR
SC.G.2.2.1	The student knows that all living things must compete for Earth's limited resources; <b>organisms best adapted to compete</b> for the available resources will be successful and pass their adaptations (traits) to their offspring.	MC, SR
SC.H.1.2.1	The student knows that it is important to keep <b>accurate records</b> and descriptions to provide information and clues on causes of discrepancies in repeated experiments.	MC
SC.H.1.2.2	The student knows that a successful method to explore the natural world is to <b>observe and record, and then analyze and communicate</b> the results.	MC, SR, ER
SC.H.3.2.1	The student understands that people, alone or in groups, invent new tools to solve problems and do work that <b>affects aspects of life outside of science</b> .	MC, SR
SC.H.3.2.4	The student knows that through the use of science processes and knowledge, people can <b>solve problems, make decisions, and form new ideas</b> .	MC, SR