

Appendix A

Big Ideas - Kindergarten

Standard 1 The Processes (PoS), Communication (CoS), and Nature (NoS) of Science (Intended Learning Outcomes).	Standard 2 Earth (E) and Space Science (S)	Standard 3 Physical Science Atomic-molecular theory of matter (A) and Newtonian laws of force and motion (F)	Standard 4 Life Science Changes in organisms over time (CT) and The nature of living things (N).
<p>(P) People can often learn about things around them by just observing those things carefully. Raise questions about the world around them, be willing to seek answers to some of those questions by making careful observations.</p> <p>(N) People are more likely to believe your ideas if you can give reasons for them. Ask “How do you know?” in appropriate situations and attempt reasonable answers when others ask them the same questions.</p> <p>(C) In doing science, it is often helpful to work with a team and to share findings with others.</p>	<p>(E) Change is something that happens to many things. (E) Some changes are so slow or so fast that they are hard to see.</p>	<p>(F) Things move in many different ways, such as straight, zig zag, round and round, back and forth, and fast and slow. (A) Most things are made of parts.</p>	<p>(N) Most things are made of parts. (CT) Change is something that happens to many things.</p>

Earth and Space Science (E) Earth science (SS) Space science	Physical Science (A) Atomic/molecular (F) Force and motion	Life Science (CT) Changes over time (N) Nature of Living Things	Processes, Communication, and Nature of Science (PoS) Processes of science (CoS) Communication of science (NoS) Nature of science	Applications: Science, Technology, and Society (T) Tools of science (A) Applications of science (S) Implications of science for people