KNOX COUNTY SCIENCE
SEARCH, SOLVE & SUCCEED

# Fifth Grade Science
# Pacing Guide

| | Standards | Textbook Page Numbers | Approximate Time Allotted |
|---|---|---|---|
| **Module 1: Engineering**<br>*The engineering standards can stand alone or be taught with any modules 1-7.*<br>Key Concepts:<br>Engineering Design Process<br>Evaluate design solutions<br>Technology and engineering | 5.ETS1.1<br>5.ETS1.2<br>5.ETS1.3<br>5.ETS2.1<br>5.ETS2.2<br>5.ETS2.3 | Found throughout<br><br>See the correlations section of the Teacher's Edition for lesson alignment with the engineering standards | 4% |
| **Module 2: Structures and Functions of Living Things**<br>Key Concepts:<br>Animal behaviors and instincts | 5.LS1.1 | Teacher Edition: 2a-32<br>Be a Scientist Notebook: 2-32 | 6% |
| **Module 3: Traits and Heredity**<br>Key Concepts:<br>Heredity<br>Adaptations | 5.LS3.1<br>5.LS3.2<br>5.LS4.2 | Teacher Edition: 34a-72<br>Be a Scientist Notebook: 34-78 | 14% |
| **Module 4: Learn from the Past** | 5.LS4.1<br>5.ESS1.7 | Teacher Edition: 72a-102 | 6% |

| | | | |
|---|---|---|---|
| Key Concepts:<br>Fossils | | Be a Scientist Notebook: 80-108 | |
| **Module 5: The Solar System and Beyond**<br>Key Concepts:<br>Basic structures of the universe<br>Relationships between sun, moon, and Earth<br>Earth's rotation and revolution<br>Apparent brightness | 5.ESS1.1<br>5.ESS1.2<br>5.ESS1.3<br>5.ESS1.4<br>5.ESS1.5<br>5.ESS1.6 | Teacher Edition: 104a-166<br>Be a Scientist Notebook: 110-168 | 29% |
| **Module 6: Matter**<br>Key Concepts:<br>States of matter<br>Conservation of matter<br>Physical and chemical changes | 5.PS1.1<br>5.PS1.2<br>5.PS1.3<br>5.PS1.4 | Teacher Edition: 168a-244<br>Be a Scientist Notebook: 170-248 | 24% |
| **Module 7: Forces and Motion**<br>Key Concepts:<br>Laws of motion<br>Factors that affect gravity<br>Patterns of motion | 5.PS2.1<br>5.PS2.2<br>5.PS2.3<br>5.PS2.4<br>5.PS2.5 | Teacher Edition: 246a-248<br>Be a Scientist Notebook: 250-284 | 17% |