

FOSS® & Delta Education® Virginia K-8 Vertical Progression

The *Science Standards of Learning* for Virginia Public Schools identify academic content for essential components of the science curriculum at different grade levels. The content of the standards, in conjunction with effective instruction, provide a platform for creating scientifically literate students. The *Science Standards of Learning* reflect a vertical progression of content and practices. The Standards of Learning contain content strands or topics that progress in complexity as they are studied at various grade levels in grades K-5 and are represented indirectly throughout the middle and high school courses. These strands are:

- Scientific and Engineering Practices
- Force, Motion, and Energy
- Matter
- Living Systems and Processes
- Earth and Space Systems
- Earth Resources

| Grade | Physical Science | | Life Science | Earth Science | |
|-------|--|---|---|-----------------------|--------------------------|
| | Force, Motion & Energy | Matter | Living Systems & Processes | Earth & Space Systems | Earth Resources |
| 8 | Waves Gravity & Kinetic Energy Electromagnetic Force | Chemical Interactions | | | |
| 7 | | | Heredity & Adaptations Populations & Ecosystems Diversity of Life | | |
| 6 | | Matter & Change ⁺ | | Planetary Science | Weather & Water |
| 5 | Energy Sound Design | Energy and States of Matter ^{**} | | | Soils, Rocks & Landforms |
| 4 | | | Environments Living Systems | Earth & Sun | |
| 3 | Motion & Matter | | Structures of Life | | Water & Climate |
| 2 | Forces In Action | Solids & Liquids | Insects & Plants | Weather & Seasons | |
| 1 | Sound & Light | | Plants & Animals | Air & Weather | |
| K | Materials & Motion | | Animals Two by Two | Trees & Weather | |

ScienceFLEX by Delta Education^{**}

DSM by Delta Education⁺

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THE LAWRENCE HALL OF SCIENCE[™]
UNIVERSITY OF CALIFORNIA, BERKELEY

Published & distributed by:



Delta Education[®]



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