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Nota di contenuto	chapter 1. The Inspires curriculum -- chapter 2. Active physics -- chapter 3. Active chemistry -- chapter 4. Engineering the future : science, technology, and the design process -- chapter 5. Engineer your world : engineering design and problem solving -- chapter 6. Global systems science -- chapter 7. Science and global issues : electricity, global energy and power -- chapter 8. Engineering by design high school courses -- chapter 9. Science by design : construct a boat, catapult, glove, and greenhouse -- chapter 10. Nature's designs applied to technology -- chapter 11. Voyages through time and the evolution of technology -- chapter 12. EPICS high program.
Sommario/riassunto	For many science teachers the integration of technology and engineering into the science curriculum will mean a new way of teaching, new concepts and skills for their students to learn, and new assessments that will measure their students' progress and their own capabilities as teachers. The source of this concern is a publication by the National Research Council of a new blueprint for science education

standards, appropriately titled A Framework for K-12 Science Education: Practices, Core Ideas and Crosscutting Concepts (NRC 2012). The Framework is currently severing as the blueprint for Next Generation Science Standards, aimed at replacing the current patchwork of state science standards with a common core, as has already been done in mathematics and English Language Arts. Since these documents raise engineering ...