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Titolo	Picture-perfect STEM lessons, 3-5 : using children's books to inspire STEM learning // by Emily Morgan and Karen Ansberry
Pubbl/distr/stampa	Arlington, Virginia : , : NSTA Press, National Science Teachers Association, , [2017] 2017
ISBN	1-68140-332-3
Descrizione fisica	1 online resource (xvii, 389 pages) : illustrations, forms
Collana	Picture-Perfect
Disciplina	372.35
Soggetti	Science - Study and teaching (Elementary) Picture books for children - Educational aspects
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Why use picture book sto teach STEM? -- 2. Reading aloud -- 3. BSCS 5E instructional model -- 4. Connecting to the standards -- 5. Science and engineering practices -- 6. The inventor's secret -- 7. Mesmerized -- 8. Wind it up -- 9. Light it up! -- 10. Burn -- 11. From Edison to the iPod -- 12. Better together -- 13. Spider science -- 14. Bionic animals -- 15. From seed to tree -- 16. Hurricane! -- 17. Solving the puzzle under the sea -- 18. Space exploration -- 19. Star stuff -- 20. From trash to treasure.
Sommario/riassunto	This book's lessons for grades 3-5 convey how science, technology, engineering, and mathematics intersect in the real world, using a variety of books to teach STEM concepts and reading comprehension. Includes ways to plan and carry out investigations, analyze and interpret data, and construct explanations and design solutions; provides additional student resources, assessments, and connections to science standards and Common Core State Standards for English and mathematics.