

1. Record Nr.	UNINA9910794584103321
Autore	Bybee Rodger W.
Titolo	STEM, standards, and strategies for high-quality units / / Rodger W. Bybee
Pubbl/distr/stampa	Arlington, Virginia : , : National Science Teaching Association, , [2020] 2020
ISBN	1-68140-627-6
Descrizione fisica	1 online resource (xvi, 223 pages) : illustrations
Collana	Gale eBooks
Disciplina	372.35044
Soggetti	Science - Study and teaching (Elementary) Science - Study and teaching (Secondary) Technology - Study and teaching (Elementary) Technology - Study and teaching (Secondary) Engineering - Study and teaching (Elementary) Engineering - Study and teaching (Secondary) Mathematics - Study and teaching (Elementary) Mathematics - Study and teaching (Secondary)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preface -- Using this book : an introduction and guide -- Part I, Your leadership for creating STEM units. Introduction ; Introducing a vision for high-quality units ; Establishing a plan of action for high-quality units ; Conclusion -- Part II, Making decisions about selecting, adapting, and developing STEM materials. Introduction ; Clarifying and assessing the choices for instructional materials ; Recommendations for selecting and adapting STEM materials ; Conclusion -- Part III, Beginning the design of a STEM unit. Introduction ; An initial engagement : preparing a preliminary design ; Exploring the design of a unit ; Conclusion -- Part IV, Contemporary ideas for high-quality STEM units. Introduction ; Innovations and STEM education ; How students learn STEM content ; 21st-century skills and STEM units ; STEM practices ; Civil discourse in STEM classrooms ; Conclusion -- Part V, Practical recommendations for completing your unit design. Introduction ; Using backward design ; Using an instructional model ;

Completing your unit design ; Conclusion -- Part VI, Developing a STEM unit. Introduction ; Science and engineering in standards and the curriculum ; Planning, conducting, and communicating investigations ; Principles and processes for curriculum development ; What does a high-quality STEM unit look like in practice? ; Developing your STEM unit ; Conclusion -- Part VII, Implementing your STEM unit.

Introduction ; Planning lesson study for your STEM unit ; Lesson study : teaching, reviewing, and improving your STEM unit ; Conclusion -- Afterword.

Sommario/riassunto

"Science education's two-fold challenge is clear: Schools need to (1) align their curricula with contemporary state standards and (2) meet the growing demand for STEM education. What's not as clear: how to meet the challenge if your school doesn't have the right instructional materials. 'STEM, Standards, and Strategies for High-Quality Units' is designed to address both these needs. Thought leader and curriculum expert Rodger W. Bybee has assembled a guide to creating coherent, high-quality classroom materials that support the standards and STEM. The book provides practical background information and activities that can be adapted by individual teachers, professional learning communities, and professional developers. It starts with a section on making foundational decisions about your STEM unit's development. Later sections discuss getting started with preliminary designs, improving the designs with new knowledge and skills, developing the unit, and then teaching and further improving the unit as needed. Throughout, Bybee integrates contemporary educational strategies such as the 5E Instructional Model, backward design, and lesson study."

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2. Record Nr.	UNINA9910830779303321
Autore	Maj Mario
Titolo	Schizophrenia
Pubbl/distr/stampa	[Place of publication not identified], : John Wiley & Son Inc, 2002
ISBN	1-280-55533-5 9786610555338 0-470-85387-5 0-470-84233-4
Edizione	[1st ed.]
Descrizione fisica	1 online resource (503 pages)
Collana	WPA Series in Evidence and Experience in Psychiatry ; ; v.1
Disciplina	616.89
Soggetti	Schizophrenia Schizophrenia and Disorders with Psychotic Features Mental Disorders Psychiatric Disorders, Individual Psychiatry Health & Biological Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Sommario/riassunto	Makes critical, objective and reliable comparisons between research 'evidence' and clinical 'experience' on controversial issues surrounding schizophrenia. By using systematic reviews with accompanying commentaries from experienced clinicians, this volume is able to assess the key topics such as diagnosis, therapy and prevention of disability and stigma. This volume provides: * The best available evidence to enable well-informed clinical decision making * Valuable insights from some of the world's leading experts in the field of schizophrenia * Coherent description and discussion of the relevant issues. It will be a vital source of information for psychiatrists, psychologists, mental health nurses, managers and policy makers.