1. Record Nr. UNINA9910812937103321

Autore	Brunsell Eric
Titolo	Introducing teachers and administrators to the NGSS : a professional development facilitator's guide / / Eric Brunsell, Deb M. Kneser, Kevin J. Niemi
Pubbl/distr/stampa	Arlington, Virginia : , : NSTA Press, National Science Teachers Association, , [2014] 2014
ISBN	1-938946-60-X
Descrizione fisica	1 online resource (xiv, 250 pages) : illustrations
Collana	Gale eBooks
Disciplina	507.1073
Soggetti	Science - Study and teaching - Standards - United States Educational accountability - United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	PB274X2_Cover; Contents; Preface; Acknowledgments; Dedication; About the Authors; Introduction; Section 1 - Electric Charge; Concept Matrix, Probes #1-#8; 1 - Do the Objects Need to Touch?; 2 - How Will the Balloons Move?; 3 - Can It Be Electrically Charged?; 4 - What Happens When You Bring a Balloon Near a Wall?; 5 - Conductors or Insulators?; 6 - Does the Example Provide Evidence?; 7 - Where Can You Find Electric Charge?; 8 - Where Does the Charge Come From?; Section 2 - Electric Current; Concept Matrix, Probes #9-#21; 9 - One Wire or Two?; 10 - How Can You Light the Bulb? 11 - Where Do I Put the Switch?12 - How Do You Think About the Flow of Electric Current Through a Circuit?; 13 - How Bright Will the Bulbs Be? ; 14 - Which Burns Brighter?; 15 - How Would You Rank the Brightness of These Bulbs?; 16 - How Does the Current in Each Battery Compare?; 17 - Does It Matter If the Wire Has Knots?; 18 - Does Electricity Leak From an Outlet?; 19 - Why Two Prongs?; 20 - Does the Weight Change?; 21 - How Fast Do the Charges Move?; Section 3 - Magnets and Electromagnetism; Concept Matrix, Probes #22-#39; 22 - Can Magnets Push or Pull Without Touching? 23 - Can You Pick It up With a Magnet?24 - Does a Magnet Pick up Any Kind of Metal?; 25 - What Happens When You Wrap a Magnet With

Sommario/riassunto

If you and your students can't get enough of a good thing, Volume 2 of Uncovering Student Ideas in Physical Science is just what you need. The book offers 39 new formative assessment probes, this time with a focus on electric charge, electric current, and magnets and electromagnetism. It can help you do everything from demystify electromagnetic fields to explain the real reason balloons stick to the wall after you rub them on your hair.