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Titolo	Assessment powered teaching / / Nancy W. Sindelar
Pubbl/distr/stampa	Thousand Oaks, Calif., : Corwin, c2011 Thousand Oaks, Calif. : , : Corwin, , 2011
ISBN	1-4522-3582-1 1-4833-5058-4 1-4522-2442-0
Descrizione fisica	1 online resource (xv, 138 pages) : illustrations
Collana	Gale eBooks
Disciplina	371.39
Soggetti	Educational tests and measurements - United States Effective teaching - 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	1. Using the power of assessment. Step One: Become familiar with student assessment data and learn to use it to enhance your teaching -- Step two: Develop an efficient system for collecting meaningful student test data -- Step three: Learn how to use student test data as an individual teacher, a team member, and as part of a schoolwide initiative -- Chapter one rubric: Using the power of assessment -- Reflections -- 2. Creating a data-driven instructional system. Step one: Define your learning targets -- Step two: Begin building your standards-based assessments -- Step three: Align your curriculum with learning targets and assessments -- A word about curriculum mapping -- Chapter two rubric: Creating a data-driven instructional system -- Reflections -- 3. Making data-driven decisions in the classroom. Using formative assessment data to immediately inform teaching -- Using formative assessment data to inform teaching over time -- Benchmark assessments -- Test reports -- Rubric-graded assessments : Using rubric-graded formative assessment data to immediately inform teaching ; Using rubric-graded formative assessment data to inform teaching over time ; Rubric-graded benchmark assessments -- Chapter three rubric: Making data-driven decisions in the classroom -- Reflections --

	4. Empowering students with the results of their learning. Step one: Eliminate "mystery teaching" by providing students with clear and consistent standards-based learning targets and assessments -- Step two: Give students specific feedback regarding their progress toward learning targets in a timely and caring manner and in a format that is understandable to them -- Step three: Give students opportunities to self-assess and improve their work -- Step four: Provide interventions to help students reach learning targets in a timely manner -- Chapter four rubric: Empowering students with the results of their learning -- Reflections -- 5. Powering achievement in culturally diverse classrooms. Step one: Become a "cultural broker" -- Step two: Analyze the needs of subgroups through the use of disaggregated test data -- Step three: Address the needs of subgroups by more accurately measuring what students know rather than their ability to communicate their knowledge in standard English -- Chapter five rubric: Powering achievement in culturally diverse classrooms -- Reflections -- 6. Harnessing the power of collective wisdom. Data-driven changes in curriculum and instruction -- Data-driven staff development initiatives -- Data-driven student interventions -- Making the most of team time -- Chapter six rubric: Harnessing the power of collective wisdom -- Reflections.
Sommario/riassunto	This text allows readers to become power teachers by using tests effectively to define learning targets, build standards-based assessments, and develop data-driven teaching strategies for enhanced student achievement.

2. Record Nr. UNINA9910973426603321

Autore	Kuffel E
Titolo	High voltage engineering : fundamentals / / E. Kuffel, W.S. Zaengl, J. Kuffel
Pubbl/distr/stampa	Boston, : Butterworth-Heinemann, 2000
ISBN	9786611072704 9781281072702 1281072702 9780080508092 008050809X
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (556 p.)
Altri autori (Persone)	ZaenglW. S KuffelJ
Disciplina	621.31
Soggetti	Electrical engineering High voltages Electric insulators and insulation Breakdown (Electricity)
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	Front Cover; High Voltage Engineering: Fundamentals; Copyright Page; Contents; Preface to second edition; Preface to first edition; Chapter 1. Introduction; 1.1 Generation and transmission of electric energy; 1.2 Voltage stresses; 1.3 Testing voltages; References; Chapter 2. Generation of high voltages; 2.1 Direct voltages; 2.2 Alternating voltages; 2.3 Impulse voltages; 2.4 Control systems; References; Chapter 3. Measurement of high voltages; 3.1 Peak voltage measurements by spark gaps; 3.2 Electrostatic voltmeters 3.3 Ammeter in series with high ohmic resistors and high ohmic resistor voltage dividers3.4 Generating voltmeters and field sensors; 3.5 The measurement of peak voltages; 3.6 Voltage dividing systems and impulse voltage measurements; 3.7 Fast digital transient recorders for impulse measurements; References; Chapter 4. Electrostatic fields and field stress control; 4.1 Electrical field distribution and breakdown strength of insulating materials; 4.2 Fields in homogeneous, isotropic

materials; 4.3 Fields in multidielectric, isotropic materials; 4.4 Numerical methods; References
Chapter 5. Electrical breakdown in gases5.1 Classical gas laws; 5.2 Ionization and decay processes; 5.3 Cathode processes - secondary effects; 5.4 Transition from non-self-sustained discharges to breakdown; 5.5 The streamer or 'Kanal' mechanism of spark; 5.6 The sparking voltage-Paschen's law; 5.7 Penning effect; 5.8 The breakdown field strength (Eb); 5.9 Breakdown in non-uniform fields; 5.10 Effect of electron attachment on the breakdown criteria; 5.11 Partial breakdown, corona discharges; 5.12 Polarity effect - influence of space charge; 5.13 Surge breakdown voltage-time lag; References
Chapter 6. Breakdown in solid and liquid dielectrics6.1 Breakdown in solids; 6.2 Breakdown in liquids; 6.3 Static electrification in power transformers; References; Chapter 7. Non-destructive insulation test techniques; 7.1 Dynamic properties of dielectrics; 7.2 Dielectric loss and capacitance measurements; 7.3 Partial-discharge measurements; References; Chapter 8. Overvoltages, testing procedures and insulation coordination; 8.1 The lightning mechanism; 8.2 Simulated lightning surges for testing; 8.3 Switching surge test voltage characteristics
8.4 Laboratory high-voltage testing procedures and statistical treatment of results8.5 Weighting of the measured breakdown probabilities; 8.6 Insulation coordination; 8.7 Modern power systems protection devices; References; Chapter 9. Design and testing of external insulation; 9.1 Operation in a contaminated environment; 9.2 Flashover mechanism of polluted insulators under a.c. and d.c.; 9.3 Measurements and tests; 9.4 Mitigation of contamination flashover; 9.5 Design of insulators; 9.6 Testing and specifications; References; Index

Sommario/riassunto

Power transfer for large systems depends on high system voltages. The basics of high voltage laboratory techniques and phenomena, together with the principles governing the design of high voltage insulation.A classic text on high voltage engineeringEntirely revised to bring you up-to-date with current practiceBenefit from expanded sections on testing and diagnostic techniques