

1. Record Nr.	UNINA9910140854503321
Autore	Sanghera Paul
Titolo	Quantum physics for scientists and technologists : fundamental principles and applications for biologists, chemists, computer scientists, and nanotechnologists // Paul Sanghera
Pubbl/distr/stampa	Hoboken, New Jersey : , : Wiley, , 2011 ©2011
ISBN	1-282-25344-1 9786613814098 0-470-91712-1 0-470-91711-3
Descrizione fisica	1 online resource (543 p.)
Disciplina	530.12
Soggetti	Quantum theory Electronic books.
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	QUANTUM PHYSICS FOR SCIENTISTS AND TECHNOLOGISTS; Contents; Acknowledgments; About the Author; About the Tech Editor; Periodic Table of the Elements; Fundamental Physical Constantsa; Important Combinations of Physical Constants; Preface Science, Technology, and Quantum Physics: Mind the Gap; 1: FIRST, THERE WAS CLASSICAL PHYSICS; 2: PARTICLE BEHAVIOR OF WAVES; 3: WAVE BEHAVIOR OF PARTICLES; 4: ANATOMY OF AN ATOM; 5: PRINCIPLES AND FORMALISM OF QUANTUM MECHANICS; 6: THE ANATOMY AND PHYSIOLOGY OF AN EQUATION; 7: QUANTUM MECHANICS OF AN ATOM; 8: QUANTUM MECHANICS OF MANY - ELECTRON ATOMS 9: QUANTUM MECHANICS OF MOLECULES10: STATISTICAL QUANTUM MECHANICS; 11: QUANTUM MECHANICS: A THREAD RUNS THROUGH IT ALL; BIBLIOGRAPHY; INDEX
Sommario/riassunto	Quantum Physics for Scientists and Technologists is a self-contained, comprehensive review of this complex branch of science. The book demystifies difficult concepts and views the subject through non-physics fields such as computer science, biology, chemistry, and

nanotechnology. It explains key concepts and phenomena in the language of non-physics majors and with simple math, assuming no prior knowledge of the topic. This cohesive book begins with the wavefunction to develop the basic principles of quantum mechanics such as the uncertainty principle and wave-particle duality. Compreh

2. Record Nr.	UNINA9910817589203321
Autore	Lindberg Jill A.
Titolo	Common-sense classroom management : techniques for working with students with significant disabilities // Jill A. Lindberg, Michele Flasch Ziegler, Lisa Barczyk ; foreword by Lou Brown ; acquisitions editor Jessica Allan ; cover designer Michael Dubowe
Pubbl/distr/stampa	Thousand Oaks, California : , : Corwin Press, , 2009 ©2009
ISBN	1-4522-9536-0 1-4522-9838-6
Descrizione fisica	1 online resource (144 p.)
Disciplina	371.9
Soggetti	Classroom management Children with disabilities - Education Special education teachers - In-service training
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	""Cover""; ""Contents""; ""Foreword""; ""Preface""; ""About the Authors""; ""Introduction and Overview""; ""Chapter 1 - Getting Ready""; ""Time Organization""; ""Student Information""; ""Finding Appropriate Materials and Adaptive Equipment""; ""Physical and Visual Arrangements within the Room""; ""Helping Administrators, General Education Teachers, and Support Staff Understand the Needs and Abilities of Students""; ""Knowing Your Community""; ""Chapter 2 - Organizing the Students and Their Learning Environment""; ""The IEP and Planning""; ""Grouping Students"" ""Developing Daily and Weekly Schedules""""Individual Student Planning

in a Variety of Learning Environments"; "Developing Lesson Plans"; "Documenting Student Progress"; "Working with Classroom Support Staff"; "Community Experiences and Instruction"; "Advocating for Your Students and Exploring Inclusive Learning Environments"; "Chapter 3 - General Planning: Curriculum and Methods of Instruction"; "Consistency, Structure, and Routine"; "Student Full and Partial Participation in the General Education Classroom"; "Systematic Instruction and Fading"; "Curriculum"
"Blending Academic and Functional Curriculum Models"
"Chapter 4 - Academic Planning"; "Inclusion, Least Restrictive Environment (LRE), and IDEA"; "Academic and Content Standards and Writing Individualized Education Programs (IEPs)"; "Curriculum, Instructional, and Assessment Planning"; "Inclusive Instructional Strategies and Adaptations"; "Active Participation Versus Presence Only in the Classroom"; "Collaboration and Team Planning"; "Chapter 5 - Functional Planning"; "Planning for Community and Functional Skills Instruction"; "Functional Learning Outcomes"
"Functional Instruction"
"Inclusive Examples"; "Social Skills and Peer Relationships"; "Self-Advocacy and Self-Determination"; "Transition and Outcomes"; "Chapter 6 - Using Assistive Technology as a Learning Support"; "Definition of Assistive Technology (AT)"; "The SETT Framework"; "Use of Assistive Technology for Communication"; "Use of Assistive Technology to Access Literacy"; "Use of Assistive Technology to Control the Environment"; "Use of Assistive Technology to Hold Things"; "Use of Assistive Technology to See Better"
"Use of Assistive Technology to Hear Better"
"Use of Assistive Technology for Computer Access"; "Use of Assistive Technology for Eating or Dressing"; "Use of Assistive Technology for Access to Recreation and Leisure"; "Documenting Assistive Technology in the IEP"; "Chapter 7 - Understanding Behavior"; "Communication"; "Determining Cause and Supporting the Student"; "Developing a Support Plan for Difficult Behaviors in Different Settings"; "Shaping Behavior and Rewards"; "Chapter 8 - Working with Related Service Providers and Other Support Staff"
"Defining Related Services"

Sommario/riassunto

This invaluable handbook provides teachers with common-sense strategies, tools, and templates to ensure the best possible educational outcomes for learners with significant disabilities.
