Following in the tradition of the first seven editions, the goal of this successful, issue-based textbook, *Chemistry in Context*, is to establish chemical principles on a need-to-know basis for non-science majors, enabling them to learn chemistry in the context of their own lives and significant issues facing science and the world. The non-traditional approach of *Chemistry in Context* reflects today’s technological issues and the chemistry principles within them. Global warming, alternate fuels, nutrition, and genetic engineering are examples of issues that are covered in *Chemistry in Context*. www.mhhe.com/cic8e

**Resources:**
- Connect Chemistry with LearnSmart
- Connect Plus Chemistry with LearnSmart
- ALEKS 360
- Student’s Solutions Manual
- SmartBook

Julia Burdge and Jason Overby

The atoms first approach provides a consistent and logical method for teaching general chemistry. This approach starts with the fundamental building block of matter, the atom, and uses it as the stepping stone to understanding more complex chemistry topics. Once mastery of the nature of atoms and electrons is achieved, the formation and properties of compounds are developed. Only after the study of matter and the atom will students have sufficient background to fully engage in topics such as stoichiometry, kinetics, equilibrium, and thermodynamics. Thus, the Atoms First method empowers instructors to present the most complete and compelling story of general chemistry. Julia Burdge is renowned for setting the Burdge/Chemistry product. Jason Overby’s involvement with this project was crucial as he has been teaching with this approach for over four years which allowed Julia and Jason to create a product that fits the need for this growing market. www.mhhe.com/burdgeoverby

**Resources:**
- Connect Chemistry with LearnSmart
- Connect Plus Chemistry with LearnSmart
- LearnSmart Prep for General Chemistry
- ALEKS 360
- Atoms First Laboratory Manual
- ISBN: 978-0-07-764642-4
- Cooperative Chemistry Lab Manual
- Hands on Chemistry Laboratory Manual
- SmartBook

Martin Silberberg and Patricia Amateis

*Chemistry: The Molecular Nature of Matter and Change* by Martin Silberberg has been recognized in the general chemistry market as an unparalleled classic. The seventh edition keeps pace with the evolution of student learning by adding and significantly enhancing sample problems, a key resource of students. The text still contains unprecedented macroscopic-to-microscopic molecular illustrations, consistent step-by-step worked exercises in every chapter, and an extensive range of end-of-chapter problems, which provide engaging applications covering a wide variety of interests, including engineering, medicine, materials, and environmental studies. Changes have been made to the text and applications throughout to make them more succinct, to the artwork to make it more teachable and modern, and to the design to make it more simplistic and open. www.mhhe.com/silberberg
Chemistry, 3e
Julia Burdge and Jason Overby
Published: 1/11/2013
ISBN: 978-0-07-340273-4

Chemistry, third Edition, by Julia Burdge offers a clear writing style written with the students in mind. Julia uses her background of teaching hundreds of general chemistry students per year and creates content to offer more detailed explanation on areas where she knows they have problems.

With outstanding art, a consistent problem-solving approach, interesting applications woven throughout the chapters, and a wide range of end-of-chapter problems, this is a great third edition text.

www.mhhe.com/burdge

Resources:
Connect Chemistry with LearnSmart
Connect Plus Chemistry with LearnSmart
LearnSmart Prep for General Chemistry
ALEKS 360
Student Study Guide
ISBN: 978-0-07-757428-4
Cooperative Chemistry Lab Manual
ISBN: 978-0-07-340272-7
Hands on Chemistry Laboratory Manual
SmartBook

General Chemistry: The Essential Concepts, 7e
Raymond Chang and Kenneth Goldsby
Published: 1/11/2013
ISBN: 978-0-07-340275-8

The seventh edition of General Chemistry continues the tradition of presenting only the material that is essential for a one-year general chemistry course. It strikes a balance between theory and application by incorporating real-world examples; helping students visualize the three-dimensional atomic and molecular structures that are the basis of chemical activity; and developing problem-solving and critical thinking skills. Although the seventh edition incorporates many impressive features, such as conceptual idea review, animations correlated to the text, and hand-sketched worked examples, General Chemistry is still 200 to 300 pages shorter and much less expensive than other two-semester textbooks. Dr. Chang and Dr. Goldsby concise-but-thorough approach will appeal to efficiency-minded instructors and value-conscious students.

www.mhhe.com/chang

Resources:
LearnSmart Prep for General Chemistry Workbook with Solutions
ALEKS 360
Cooperative Chemistry Lab Manual
ISBN: 978-0-07-340272-7
Hands on Chemistry Laboratory Manual
SmartBook

Chemistry, 11e
Raymond Chang and Kenneth Goldsby
Published: 1/17/2012
ISBN: 978-0-07-340268-0

Designed for the two-semester general chemistry course, Chang's best-selling textbook continues to take a traditional approach and is often considered a student and teacher favorite. The book features a straightforward, clear writing style and proven problem-solving strategies. It continues the tradition of providing a firm foundation in chemical concepts and principles while presenting a broad range of topics in a clear, concise manner.

The tradition of Chemistry has a new addition with co-author, Kenneth Goldsby from Florida State University, adding variations to the 11th edition. The organization of the chapter order has changed with nuclear chemistry moving up in the chapter order. There is a new problem type—Interpreting, Modeling, and Estimating—fully demonstrating what a real life chemist does on a daily basis. The authors have added over 340 new problems to the book.

The new edition of Chemistry continues to strike a balance between theory and application by incorporating real examples and helping students visualize the three-dimensional atomic and molecular structures that are the basis of chemical activity. An integral part of the text is to develop students’ problem-solving and critical thinking skills.

The 11th edition continues to deliver the integration of tools designed to inspire both students and instructors. Effective technology is integrated throughout the book. The multimedia package for the new edition stretches students beyond the confines of the traditional textbook.

www.mhhe.com/chang

Resources:
Connect Chemistry with LearnSmart
Connect Plus Chemistry with LearnSmart
LearnSmart Prep for General Chemistry
ALEKS 360
Cooperative Chemistry Lab Manual
ISBN: 978-0-07-340272-7
Hands on Chemistry Laboratory Manual
SmartBook
Silberberg’s Principles of General Chemistry offers students the same authoritative topic coverage as its parent text, Chemistry: The Molecular Nature of Matter and Change. The Principles text allows for succinct coverage of content with minimal emphasis on pedagogic learning aids. This more streamlined approach to learning appeals to today's efficiency-minded, value-conscious instructors and students without sacrificing depth, clarity, or rigor.

www.mhhe.com/silberberg

Resources:
Connect Chemistry with LearnSmart
Connect Plus Chemistry with LearnSmart
LearnSmart Prep for General Chemistry
Student's Solutions Manual
ISBN: 978-0-07-738646-7
ALEKS 360
Student Study Guide
ISBN: 978-0-07-738648-1
Cooperative Chemistry Lab Manual
ISBN: 978-0-07-340227-7
Hands on Chemistry Laboratory Manual
SmartBook

Principles of General Chemistry and two-semester General, Organic, and Biological Chemistry texts. Janice Smith draws on her extensive teaching background to deliver a student-friendly format--with limited use of text paragraphs, through concisely written bulleted lists and highly detailed, well-labeled “teaching” illustrations--that provides need-to-know information in a succinct style for today's students. Armed with an excellent macro-to-micro illustration program and many applications to biological, medical, consumer, and environmental topics, this book is a powerhouse of student learning. Don't make your text decision without seeing Principles of General, Organic, and Biological Chemistry, second edition by Janice Gorzynski Smith!

This text is different—by design. By relating fundamental concepts of general, organic, and biological chemistry to the everyday world, Jan Smith effectively engages students with bulleted lists, extensive illustrations, and step-by-step problem solving. Smith writes with an approach that delivers need-to-know information in a succinct style for today's students. Armed with an excellent illustration program full of macro-to-micro art, as well as many applications to biological, medical, consumer, and environmental topics, this book is a powerhouse of learning for students.

www.mhhe.com/SmithGOB2e

Resources:
Connect Chemistry with LearnSmart
Connect Plus Chemistry with LearnSmart
Study Guide/Solutions Manual
ISBN: 978-0-07-751033-6
SmartBook

This one-semester Principles of General, Organic & Biological Chemistry textbook is written with the same student-focused, direct writing style that has been so successful in the Smith: Organic Chemistry

www.mhhe.com/smithgob2e

Resources:
Connect Chemistry with LearnSmart
Connect Plus Chemistry with LearnSmart
Student Study Guide/Solutions Manual
ISBN: 978-0-07-733230-3
SmartBook

This eighth edition of General, Organic, and Biochemistry is designed to help undergraduate health-related majors, and students of all other majors, understand key concepts and appreciate the significant connections between chemistry, health, disease, and the treatment of disease. This text continues to strike a balance between theoretical and practical chemistry, while emphasizing material that is unique to health-related studies. The text has been written at a level intended for students whose professional goals do not include a mastery of chemistry, but for whom an understanding of the principles and practice of chemistry is a necessity.

www.mhhe.com/Denniston

Resources:
Connect Chemistry with LearnSmart
Connect Plus Chemistry with LearnSmart
Study Guide/Solutions Manual
ISBN: 978-0-07-751033-6
SmartBook

Designed for the one- or two-semester course, this text has an easy-to-follow problem-solving pedagogy, vivid illustrations, and engaging applications.

www.mhhe.com/denniston

Resources:
Connect Chemistry with LearnSmart
Connect Plus Chemistry with LearnSmart
Study Guide/Solutions Manual
ISBN: 978-0-07-751033-6
SmartBook
Organic Chemistry

Organic Chemistry, 9e
Francis Carey and Robert Giuliano
Published: 1/11/2013
ISBN: 978-0-07-340274-1

A Market Leading, Traditional Approach to Organic Chemistry

For nine editions, Organic Chemistry has been designed to meet the needs of the “mainstream,” two-semester, undergraduate organic chemistry course. This best-selling text gives students a solid understanding of organic chemistry by stressing how fundamental reaction mechanisms function and reactions occur.

www.mhhe.com/carey

Resources:
Connect Chemistry with LearnSmart
Connect Plus Chemistry with LearnSmart
LearnSmart Prep for Organic Chemistry
SmartBook

Organic Chemistry, 4e
Janice Gorzynski Smith
Published 1/11/2013

Serious Science with an Approach Built for Today’s Students

Smith’s Organic Chemistry continues to breathe new life into the organic chemistry world. This new fourth edition retains its popular delivery of organic chemistry content in a student-friendly format. Janice Smith draws on her extensive teaching background to deliver organic chemistry in a way in which students learn: with limited use of text paragraphs, and through concisely written bulleted lists and highly detailed, well-labeled “teaching” illustrations. Don’t make your text decision without seeing Organic Chemistry, 4th edition by Janice Gorzynski Smith!

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Resources:
Connect Chemistry with LearnSmart
Connect Plus Chemistry with LearnSmart
LearnSmart Prep
SmartBook

McGraw-Hill Connect provides online presentation, assignment, and assessment solutions. It connects your students with the tools and resources they’ll need to achieve success. Additionally, Connect/Connect Plus content (text, tools, and homework) can be fully integrated with your Blackboard course! McGraw-Hill ConnectPlus™ includes the full textbook as an integrated, dynamic ebook. Media, animation and assessments are merged with the text’s narrative to engage students and improve learning and learning retention.

See all Connect Products for Chemistry at: http://connect.mcgraw-hill.com/subjects/physical-and-earth-sciences/chemistry/

LearnSmart maximizes learning productivity and efficiency by identifying the most important learning objectives for each student to master at a given point in time. It knows when students are likely to forget specific information and revisits that content to advance knowledge from their short-term to long-term memory. Data driven reports highlight the concepts individual students - or the entire class are struggling. LearnSmart is proven to improve academic performance – including higher retention rates and better grades.
LearnSmart Labs is a highly realistic simulated lab experience that allows students to practice the scientific method. Powered by LearnSmart’s proven adaptive technology, LearnSmart Labs allows students to “DO” and “THINK” like a scientist by formulating a hypothesis, developing an experimental strategy to test it, conducting simulated lab experiments to collect and analyze data, and even interact with a virtual coach. Data driven reports highlight the concepts individual students - or the entire class are struggling with.

LearnSmart Labs for General Chemistry
ISBN: 978-0-07-78208-6

LearnSmart Prep is a study resource that prepares students for college level work. Powered by LearnSmart’s proven adaptive technology, LearnSmart Prep identifies the concepts each student doesn’t know or fully understand and provides learning resources to teach essential concepts so he or she enters the classroom prepared. Data driven reports highlight the concepts individual students - or the entire class are struggling with.

http://learnsmartadvantage.com/products/learnsmart-prep/

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http://www.aleks.com/

Learn more about all Chemistry print and digital offerings at www.successinchem.com

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http://learnsmartadvantage.com/products/smartbook/

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