

From: ACS Publications <updates@acspubs.org>
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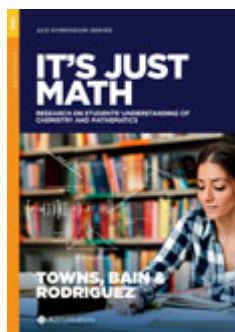
RE-ENERGIZE YOUR CLASSROOM

New Resources for Chemistry Educators

Need a refresher on best practices? Want to better support your students in understanding math in chemistry? Or are you simply looking for inspiration for the new academic year?

The latest ACS eBooks in Chemical Education cover diverse topics to help bring new energy to your classroom.

The first chapter of each book is freely available for you to sample. If you need access to the rest of the book, your institution's librarian can easily [contact us](#) so we can help them review access options.

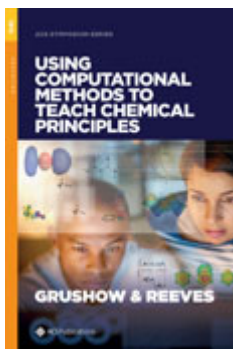


It's Just Math: Research on Students' Understanding of Chemistry and Mathematics

Edited by **Marcy H. Towns, Kinsey Bain, Jon-Marc G. Rodriguez**

[Table of Contents](#) | [Free Sample Chapter](#)

Concerns about the ability of students to apply mathematics in chemistry courses have been part of the chemistry landscape since at least the 1920s. This book helps researchers and chemists understand research on mathematical reasoning and modeling in the context of chemistry.

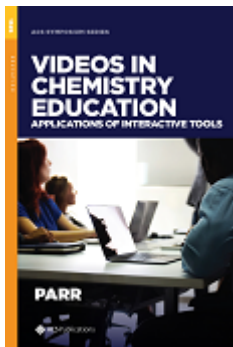


Using Computational Methods To Teach Chemical Principles

Edited by **Alexander Grushow, Melissa S. Reeves**

[Table of Contents](#) | [Free Sample Chapter](#)

While computational chemistry methods are usually a research topic of their own, many methods are becoming mainstream and can be used to compute chemical parameters that are not easily measured in the undergraduate laboratory. This book focuses on computational chemistry as a tool in the classroom and laboratory to teach chemical principles.



Videos in Chemistry Education: Applications of Interactive Tools

Edited by **Jessica Parr**

[Table of Contents](#) | [Free Sample Chapter](#)

This volume presents faculty with a guide to best practices for and genuine reflections on practical uses of videos and multimedia tools in real classrooms. From *Game of Thrones*, *Harry Potter*, and *Breaking Bad*, to YouTube videos and student created resources, this book is an exciting expansion of discussions on videos as pedagogical tools.

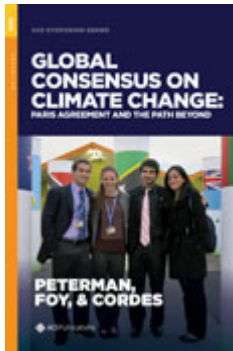


Best Practices in Chemistry Teacher Education

Edited by **Sarah B. Boesdorfer**

[Table of Contents](#) | [Free Sample Chapter](#)

From the novice to the seasoned professional, chemistry teachers at all stages are required to adapt and continually improve. A valuable collection of evidence-based approaches, this book will guide, inspire, and empower both training and serving chemistry teachers to implement best practices in their own classrooms.



Global Consensus on Climate Change: Paris Agreement and the Path Beyond

Edited by **Keith E. Peterman, Gregory P. Foy, Matthew R. Cordes**

[Table of Contents](#) | [Free Sample Chapter](#)

In this book, students who have attended the United Nations Conference of Parties present their observations and perspectives on multiple climate change issues, including climate change literacy and education.