Computer Based Projects for a Chemistry Curriculum

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About the eBook
This eBook is a collection of exercises designed for students studying chemistry courses at a high school or undergraduate level. The e-book contains 24 chapters each containing various activities employing applications such as MS excel and Spartan. The content within this book is suitable as a guide for both teachers and students and each chapter is supplemented with practice guidelines and exercises.

Contents
- Bonds and Lone Pairs in Small Molecules: Introduction to Spartan
- Titration Curve Simulating the Addition of a Strong Acid and a Strong Base
- Electronic Qualitative Analysis Schemes
- Molecular Geometries, Hybridizations and Polarities
- Twenty-Five Periodic Trends. Graphing the Periodic Table to Life
- Titration Involving a Strong Base and Weak Acid
- Modeling Weak Acids and Bases
- Demonstrating Bonds and Forces: From Nitrogen to Nanotubes

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