



# Expose, Excite, Ignite!: An Essential Guide to Whizz-Bang Chemistry

*Carl Ahlers*

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# Expose, Excite, Ignite!: An Essential Guide to Whizz-Bang Chemistry

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## **Expose, Excite, Ignite!: An Essential Guide to Whizz-Bang Chemistry** Carl Ahlers

Just when you thought you have seen it all . . . a book like this comes along and turns your science classes upside down. It's here - the flaming activities they never mentioned at the Chemistry Faculty or banned from your chemistry set. In this one book you will get the explanations, the practical show-how, the safety issues and extension ideas to take your students to the next level. This is not a chemistry recipe book. It is a practical chemistry revelation. No boring recipes on making fizzy volcanic mountains (yawn) - this stuff sizzles. The author focused on the triple S concept: All activities are SIMPLE, reasonably SAFE (hey, this is about combustion) and oh so SPECTACULAR. You'll get step-by-step instructions and photos and all can easily be implemented in your classroom and lab - instant student engagement. For those who love safe, sizzling science excitement at home - you have found it! The tested activities will provide hours of solid Whizz-Bang edutainment in the backyard that should (due to the nature of the activities) be overseen by an adult. This book will show you how to: make a pencil sharpener burn white hot under water; make an egg explode in an "eggsothermic" reaction; make a wind-up toy car explode in a puff of smoke; prepare hydrogen gas from kitchen chemicals; launch a real rocket using sugar-based fuel; make a tube whistle, bark and fly skywards; do a sugar dust explosion in a coffee tin; run a clock on a pencil sharpener; extract silicon from beach sand; set your hand (safely) on fire; boil water in a paper pan? and more . . . For: Middle & High School Science teachers Home experimenters, tinkerers and amateur scientists

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