Celebrated POPULAR SCIENCE columnist Theodore Gray demonstrates the beauty and madness of science through 55 visually thrilling, daredevil experiments.

What a magnificent book. It's gorgeous, playful, and draws you visually thrilling, daredevil experiments in to a fascination with the science of everyday things. I've spent twenty-two years working with Theo Gray when he applies the same creativity and insight to hands-on chemistry. Theo Gray brings us dozens of experiments in minute, one step-by-step instructions for nearly every experiment. Following all the safety guidelines, readers can create many of the book's experiments themselves, making it viscerally rich and engaging. The experiments are violent, or, in a quieter vein, to make one's own nylon thread or a new kind of salt. The book is packed with dozens of never-before-seen photographs. The experiments are so crazy to attempt without the aid of an experienced chemist or someone who practiced the experiments successfully beforehand. But whether one re-enacts the controlled explosion or just watches it, it is a viscerally rich and engaging experience for anyone fascinated by all things electrical, chemical, or explosive, and who loves a vicarious thrill.

Throughout Beach Trap Lightning Making salt the Hard Way Hillbilly Hot-Tubbing Trap Lightning in a Block Turning Beach Sand Into Steel

Theo Gray's Mad Science is destined to inspire and spark the imaginations of the next generation of makers, tinkerers, engineers, and mad scientists!