

Abstract Submitted
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Spicing up Science: Mini Undergraduate Research Projects in Physics and Chemistry GEORGE DEVENDORF, Indiana Academy, Ball State University — Individual student research projects are often small pieces of a larger research program and may or may not provide an interesting and satisfying research experience for a student researcher who only is engaged in the project for a limited time. This researcher describes a variety of research activities conducted with advanced high school students in a high school setting. These research projects are limited by the academic experience of the student, facilities and resources and available time. Such limitations however, have shaped some of the research projects into “mini-projects” that form interesting scientific questions which can be addressed within a semester or yearlong project. Several of these research ideas have been inspired from teaching introductory courses and though they may not further a continuing research program or spawn significant publications, they do provide an avenue for teaching and inspiring scientific inquiry in the minds of young potential scientists.

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