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## Abstract

Science is continuously aiding us in developing new technologies we use in our everyday life, but STEM fields are not producing enough graduates to meet the demand. Science experiments that are not only interesting, but also have real-world applications and geared to younger students and non-science professionals are hard find in the literature. In the science activities that follow you will find age-appropriate technical background, the activity procedure, prepared worksheets, and a description of material safety. This thesis was done with the hope that any teacher or interested person could understand the activity and convey the ideas behind it to others.

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