

# **BURNING PAPER ROCKET**

*Source: Physics Teacher Larry Scheckl, Modified for the EAA*

## **Concepts Illustrated:**

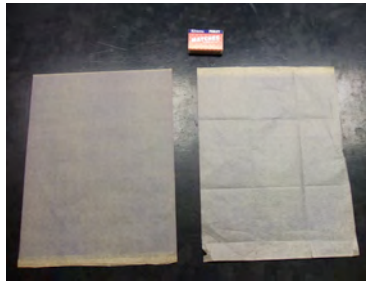
(1) Convection

**Time Requirements:** 10 minutes

**Grade Level of Audience:** This qualitative demonstration is suited for students in all grades.

## **I. Materials and Equipment Utilized**

1. Thin tracing paper (onion skin type thickness)
2. match



## **II. Description of Set-up and/or Construction of Apparatus**

1. Fold sheet of paper into three segments.
2. Set piece of paper vertically on table, such that, a top view reveals a triangle.
3. Light the paper at the top.



## **III. Details of Student Implementation**

1. When the triangle just about burns all the way to the bottom, the remaining part will take off and shoot upward. Discuss with students what they think happened.
2. Do not have flammables in the vicinity of this demonstration.

3. Be sure you will not set off a fire alarm or sprinkler system. In addition, have a bucket of water nearby in the event of an emergency.