



## Virginia Region II Annual Teacher Night at Jefferson Lab 2025

**Activity Title:** **S'mores Lab**

**Type:** Experiment

**Grade Level:** Grade 8

**Time Allotment:** 1 hr

### Objectives with Correlated SOLs:

PS.3 The student will investigate and understand that matter has properties and is conserved in chemical and physical processes. Key ideas include

b) pure substances can undergo physical and chemical changes that may result in a change of properties;

Essential Knowledge and Practices:

- distinguish between physical and chemical changes.
- compose evidence-based conclusions, explanations, and arguments from data obtained in investigation related to chemical changes in matter.
- analyze and interpret data on the properties of substances before and after the substances interact to determine if a chemical change has occurred.
- using evidence and scientific reasoning to differentiate between a chemical reaction that requires an input of energy (endothermic) and others release energy (exothermic).

### Materials List (including equipment):

- Student supplies-
- • wooden skewer
- • 1 graham cracker
- • 2 large marshmallows
- • ½ chocolate bar
- -Sterno canned ethanol gel chafing fuel

### Teacher Contact Information:

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