

Discovering...

Middle School

You Be the Chemist® Camp



In the You Be the Chemist® Camp, developed by the Chemical Educational Foundation (CEF), campers will have the opportunity to work with common materials and everyday situations, and find that chemistry explains much of the world in which we live. By understanding chemistry, the participants can begin to answer for themselves many of the "why" questions they pondered in the past. Each day will have a theme and be balanced between discussion and hands-on activities and experiments.

WHO SHOULD ATTEND THIS CAMP?

This camp is for middle school students entering 5th-8th grade in the fall.

JUNE 27–JULY 1

FEE: \$225

Camp runs Monday–Friday, 8:30 a.m.–4:00 p.m.

CAMP OVERVIEW

Monday–June 27

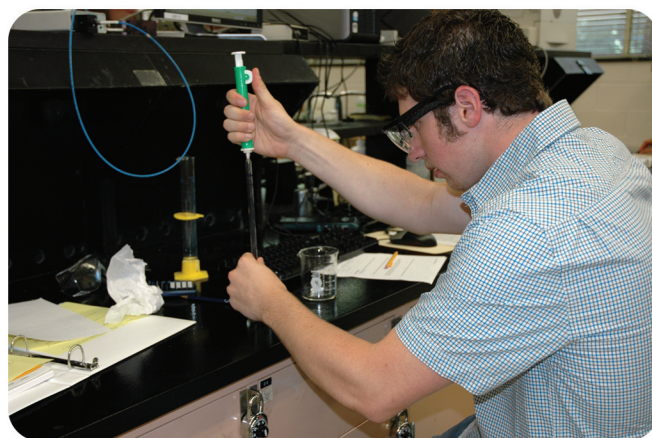
- Measuring and graphing—utilizing M&M's in a lab and birthday analysis, metric vs. English measurement, height vs. shoe size
- Good procedure writing
- Which insulator cup is the best?
- Measuring volume—testing diapers
- Tums vs. Rolaids antacid test

Tuesday–June 28

- Temperature, test kits, turbidity, flow rate, macroinvertebrate identification, perk tests
- Measuring the height of a tree without climbing it
- Floating paper clips and boat races

Wednesday–June 29

- Case of the missing significant figures
- Arson investigation—cooling curves of VOC's
- Who killed Barney, the purple dinosaur?
- Exploding bag—measuring sound intensity



Thursday–June 30

- Kitchen chemistry—slime, iron in cereal, fountain of soda, puffed rice fleas, milk rainbow, buoyant butter, rubber eggs

Friday–July 1

- Chemistry competition and celebration—soda bottle rocket launch, student developed experiments, gummy bear lab, candle investigation, making ice cream

***Campers must provide their own lunch, snacks, and drinks.**

**The camp activities shown are based on last year's camp and are subject to change at the instructor's discretion.*

To sign up, go to: berks.psu.edu/summercamps