

Summer Workshop – Carbon Dioxide: A Double-edged Sword for Our Health and the Planet



Registration Deadline: Thursday, June 20, 2024

Program Dates: Monday, July 29 – Thursday, August 1, 2024 (4 days)

Program Schedule:

Daily schedule: 9am – 3pm with 30 minutes lunch break.

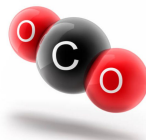
Talks & hands-on activities on the pros and cons of an increasing level of CO₂ around us & computer modeling

- Start a partnership with SBU science faculty
- Develop exciting hands-on activities
- Gain a deeper understanding on the role of CO₂
- Earn a CTLE certificate (up to 22 hours—provided through CA BOCES)

Register via [CA BOCES](#).
Non-CA BOCES schools, please contact
[Laurie Sledge@caboces.org](mailto:Laurie.Sledge@caboces.org)

For program details, please contact:

Dr. Xiao-Ning Zhang
Professor of Biology, Director of Biochemistry
Email: xzhang@sbu.edu
Phone: (716) 375-2485



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Program Description (www.sbu.edu/teacherworkshop)

St. Bonaventure University invites K-12 teachers to the 9th annual lab development workshop on July 29-August 1, 2024. This year's topic is

Carbon Dioxide (CO₂): A Double-edged Sword for Our Health and the Planet

Instructor(s): SBU faculty, Dr. Lin Xiang, University of Kentucky and CABOCES facilitators.

The objectives of this workshop are:

- (1) Teachers will learn knowledge of the science for CO₂/bicarbonate buffer system and how it works to maintain pH in our blood and the ocean.
- (2) Teachers will learn and test the effect of CO₂ on pH in different aqueous solutions.
- (3) Teachers will learn how to use computer model to understand the chemistry behind Ocean Acidification
- (4) Teachers will learn how Inheritance and Variation of Traits could affect blood pH regulation
- (5) Teachers will discuss and plan for classroom implementation.

Space is limited. Please register early!

CTLE Credits: CA BOCES will provide up to 22 hours of NYS Continuing Teacher/Leader education (CTLE) credits.