

Conservation Laws in the High School Physics Classroom

FREE TO ATTEND

Breakfast is provided at 8:30 a.m.

SATURDAY, MARCH 2, 2024

9:00 am – 12:00 pm

TECO Hall

David C. Anchin Center for the Advancement of Teaching
USF College of Education, Tampa Campus

Designed for secondary physics teachers, school
and district leaders, and USF students.

Register at: www.tinyurl.com/anchinphysics

What You'll Learn:

- Explore with other physics teachers the concepts of energy, momentum, rotation, fluids and electric circuits and how they use conservation laws.
- Learn how to apply teaching strategies to help engage students in meaning-making around conservation laws in Physics.
- Develop the skills to guide students in identifying common misconceptions.
- Investigate lab ideas and materials for conservation law topics.
- Collaborate with peers and network with fellow physics teachers.



UNIVERSITY of
SOUTH FLORIDA

David C. Anchin Center for the Advancement of
Teaching

www.usf.edu/anchin

@USFAnchin

MEET THE FACILITATOR



Oather Strawderman

Oather Strawderman has taught Physics in Lawrence Kansas since 1997. He is the Science Department Chair at Lawrence Free State High School. His teaching experience includes all forms of Physics, from Principles of Technology to Conceptual Physics to AP Physics. Oather has mentored dozens of teachers across the US over the years. He has also presented at multiple American Association of Physics Teacher National Conferences. Oather also is very involved in AP Physics as a longtime leader at the AP Physics Reading as well as an item writer and reviewer for all four AP Physics exams. As a College Board endorsed Lead AP Physics International Consultant, he has presented daylong and week-long workshops in 36 states as well as China, Dubai and Canada. Oather served for seven years as the Co-Chair of the AP Physics 2 Development Committee where he helped develop the exam and worked on the preparation of the Curriculum Framework. Oather also is an Instructor for AP Daily in AP Classroom for both AP Physics 1 & 2 and AP Live on YouTube for AP Physics 2. And Oather was just appointed the Chair of the College Board Science Academic Advisory Committee.

CONTACT US

Dr. Rachel Hatten

rachelhatten@usf.edu