

# Enhancing Science Learning and Instruction With CESE

## CESE Aligns with Mississippi's Goals

*Mississippi's Science Course of Study and Strategic Plans*

- **Student Experience:** Centers on high school chemistry and physics courses, preparing students with knowledge necessary for college admission, careers, or the workforce.
- **Student Learning:** Strengthens science foundations, boosts assessment performance, and inspires deeper engagement with real-world issues.
- **Teacher Development:** Offers high-quality, research-based, state standards-aligned professional development.
- **Teacher Learning:** Equips teachers with the content knowledge, instructional strategies, and resources needed to support students in meeting their learning goals.

## Benefits of CESE

- **Reduce Teacher Preparation Time and Support Lesson Planning:** Supplies ready-to-use enrichment materials, including teacher guides with resources, lessons, assessments, and student handouts.
- **Flexible Enrichment Materials:** Enables teachers and school leaders to adapt the materials to meet their needs and continue to use them year after year.
- **Year-Long Support for Teachers and Schools:** Provides honorariums to schools and teachers, professional development, continuing education credits, and collaboration opportunities for teachers.
- **Community Building:** Meets the needs and experiences of students and teachers in the South, fostering continuous collaboration and strengthening the community.
- **Technology:** Embeds technology in instruction, modeling, and assessments to enhance student learning.
- **Evaluated Independently:** Measures science learning with rigorous independent assessments.