

Science Professional Development

Regional/Cluster Offerings 2010 - 2011

Region 10 or Cluster Sites Only

Biology EOC Success *NEW*

Examine the concepts in the new Biology 2010 TEKS and learn strategies to prepare your students for success on the End of Course assessment during this three-day professional development. Participants will explore hands-on, student-centered lessons framed in the research-based 5E instructional model. These sessions provide connections to and strengthen participants' knowledge of College and Career Readiness Standards (CCRS), English Language Proficiency Standards (ELPS), and Response to Intervention (RtI).

Chemistry in a Conceptual Format for Grades 9-12

This training will prepare teachers for the new high school science requirements in chemistry. It is a highly rigorous and high-quality staff development program designed for 9th through 12th grade teachers. Rich instructional materials will be provided.

Chemistry for Middle School Students

This academy will prepare teachers to prepare students for the new high school science requirements in chemistry. It is a highly rigorous and high-quality staff development program designed for 6th through 8th grade teachers. Rich instructional materials will be provided.

CSCOPE Extreme Makeover: Science Edition *NEW*

CSCOPE users will have an opportunity to explore changes to the scope and sequence (YAG), unit planning document (IFD), and vertical alignment document (VAD) as necessitated by the new science TEKS.

Elementary Physical Science *NEW*

This session is designed to increase content knowledge and pedagogy for elementary science teachers. Participants will experience multiple physical science activities from AIMS and will be able to take them back to their classrooms. Copyright is paid for all attending teachers.

Engineering is Elementary

The *Engineering is Elementary* workshop is designed to help elementary school educators enhance their understanding of engineering concepts and pedagogy. EiE is a research-based, standards-based, and classroom-tested curriculum that integrates engineering and technology concepts and skills with elementary science topics. All core content areas are addressed within each unit (math, science, language arts, social studies). TEKS alignment and CSCOPE best fit will be provided.

Getting Started the Right Way! Science Teacher Mentoring and Support *NEW*

This series of meetings, designed for teachers with less than three years science experience, will provide participants with an opportunity to learn and discuss the qualities and characteristics of good science teaching. This multi-day session will be a hybrid of both face to face and online follow up.

Intervention Planning for Science Instruction Using Aware *NEW*

This training assists campuses or districts using Eduphoria! Aware in creating intervention plans for students.

Make Learning about Living, Not Just about Knowing: PBL in Science (6-12) *NEW*

This staff development session guides teachers to engage students in a variety of "real world" situations that accommodate a wide range of student interest. It is important for students to become critical thinkers and to develop broad knowledge that will allow them to become successful, not only in the classroom but also in real life situations. Participants will compare and contrast project based learning and problem based learning through classroom examples.

Physics for All – Waves *NEW*

This academy offers an integrated approach to physics content – specifically on waves, instructional materials, and pedagogy. It contains an assortment of resources, making it flexible enough to accommodate a variety of teachers and students.

Science Academies for Grades 5-8 *NEW*

Experience a total immersion into the new science TEKS for grades 5-8 during this three-day professional development. Participants will explore hands-on, student-centered lessons framed in the research-based 5E instructional model. These sessions provide connections to and strengthen participants' knowledge of College and Career Readiness Standards (CCRS), English Language Proficiency Standards (ELPS), and Response to Intervention (RtI).

Science Instructional Facilitator and Coaches Academy *NEW*

Are you an instructional leader looking for an opportunity to collaborate and network with other leaders in a similar role? Then our Coaches Cadre is for you! Attendees will develop the knowledge and skills to create programs that improve the quality of science instruction at a campus or district. This multi-day session will be a hybrid of both face to face and online follow up.