

# Summer PD *At-a glance*



9-12  
Science

## Understanding the Tennessee Science Academic Standards: Introduction to Standards, Science & Engineering Practices, Crosscutting Concepts

### *You will learn:*

#22292

By the end of the session, participants will be able to identify standards and the processes students will need to know and be able to do to master the standards. Participants will unpack the components of 3D TN Science standards including Crosscutting Concepts, Science & Engineering Practices, and Disciplinary Core Ideas that go along with each standard in a grade level/course scope and sequence.

## Effectively Planning Phenomena-Based Instruction with Standards, Science & Engineering Practices, and Crosscutting Concepts in Mind

June 19 #22307

June 20 #22308

June 21 #22310

### *You will learn:*

Participants will engage in the exploration of phenomenon in order to understand 3D learning. Participant will engage in activities demonstrating how a scientific fact (phenomenon) enhances understanding of 3D learning. Participants will be able to plan effective lessons that incorporate phenomena that align to the standards, Science & Engineering Practices, and Crosscutting Concepts.

## Curriculum Deep Dive- A look at the curriculum for Q1

Navigate the 2018-2019 Quarter 1 SCS curriculum map.

July 11 #22315

July 12 #22314

### *You will learn:*

Discover how the 3D science standards will require shifts in both planning and execution in order to develop highly effective classroom instruction.

