

To assist teachers, schools, and systems with implementation of high-quality science curricula, the Department has released three self-paced learning modules.

For each learning module, the video is linked in the first column and the slide deck and printable documents are linked in the last column in the order they will be needed. Although the examples used are from an open-source, high-quality middle school curriculum, the strategies in the modules can be applied by science teachers of any grade level and to any high-quality science curriculum.

Keep in mind that you will need to pause the videos when asked to reflect or when accessing and using the handouts.

Module	Description	Document Links
Science Instructional Model and Planning Guide	In this module, participants will explore the Louisiana Science Instructional model through a high-quality unit, reflect on the impact of the instructional model on student learning, and analyze how the Planning Guide for Science Instruction can be used to support three-dimensional learning.	<ul style="list-style-type: none"> • Science Instructional Model and Planning Guide Slides • OpenSciEd Key Instructional Elements • Planning Guide for Science Instruction • OpenSciEd 8.2 Lesson 1 Initial Model • K-12 LSSS Appendix A - Learning Progressions
Productive Science Talk and Planning for Discussion	In this module, participants will reflect on key aspects of productive scientific discussions, explore three discussion types by analyzing classroom video, and utilize a planning tool for facilitating science discourse.	<ul style="list-style-type: none"> • Productive Science Talk and Planning for Discussion Slides • OpenSciEd Three Discussion Types • Classroom Transcript Initial Ideas Discussion • Classroom Transcript Building Understandings Discussion • Classroom Transcript Consensus Discussion • OpenSciEd Discussion Planning and Reflection Tool • Discussion Planning Tool Example • Science Talk Moves
Leveraging Student Resources in Science	In this module, participants will reflect on high-quality science curriculum implementation and equitable learning experiences, examine classroom video to recognize the range of resources students use to make sense of science, and explore strategies that can be used to leverage student resources in the science classroom.	<ul style="list-style-type: none"> • OpenSciEd Toward More Equitable Learning in Science • Classroom Transcript Thermal Energy Lesson 3 • OpenSciEd Written Scenarios: How Do We Notice and Leverage Student Resources? • OpenSciEd Student Resources for Sensemaking