

The Texas Gateway by TEA is a multi-faceted professional development ecosystem to support the delivery of high-quality instruction to all students throughout the state. Offered to more than 500,000 educators throughout Texas, the “Gateway” is a one-stop shop for instructional materials, tools and classroom helps; professional development to support licensure, recertification and teaching best practices; collaborative self-publishing projects around professional learning communities, lesson study and lesson plan sharing; and the curation of “playlists” for sharing with students and peer educators. It has greatly impacted the education system throughout Texas by making standards-based content and professional development available even to the most rural areas of Texas, and by saving the TEA more than \$1 million annually over the previous LMS-based initiative.

The Texas Gateway is powered by a highly customized version of Trinity Education Group’s CoreTech products, as well as an integrated version of OpenEdX. Parts of the Gateway ecosystem utilize IMS standards such as LTI, TCC, QTI and the new CASE framework standard.

Gateway CMDS and Resources: The primary entry point to the Gateway ecosystem, Texas Gateway for Online Resources is a discovery and learning object repository that allows any teacher in the state of Texas to find, align, share and curate high-quality instructional materials at the local district and building level. Leveraging custom APIs for content import and a robust content management & delivery system (CMDS), the TEA uses the Gateway Resources section for a wide range of digital and interactive content types, from H5P modules to entire textbooks from OpenStax. Because every resource is aligned to a Student Expectation (TEKS) through the IMS Global CASE framework, teachers can confidently deploy Gateway resources aligned to their unique scope & sequence or lesson plan documents. Districts can also subscribe to any set of Gateway Resources as secure LTI links for use within their local LMS.

Gateway Courses & Partner Portal: The Gateway Courses portion of the TEA’s ecosystem is a highly customized Open edX platform that supported more than 80,000 teacher registrants in the last year alone. Gateway Courses has become a primary vehicle for delivering cost-effective asynchronous PD, saving the TEA hundreds of thousands in outsourced delivery costs. Pushing the innovation envelope further, the TEA has created a TCC package for most of its PD courses, and allows ESCs and districts to ingest the TCC into the local LMS or HCMS, customize the course where applicable, and even republish or reproduce the course for other districts as needed.

Lesson Study & User-Generated Content: One of the Gateway’s most innovative components is the ability for Texas educators to share lists of curated content with each other and their students, upload and align content to Student Expectations (TEKS), and even create new exemplary “Lesson Study” content packages with derivative frameworks utilizing the new IMS CASE standard. The TEA successfully piloted the Lesson Study project this past fall, and is now scaling the initiative to provide more than 1,000 lesson study modules by the end of this year.

Future Roadmap: Near-term advancements in the Gateway will include OneRoster authentication across all Gateway applications, and the relaunch of several TEA-sponsored assessment applications using an interoperable assessment library architecture.