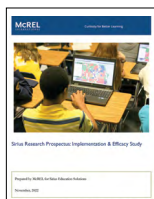# Sirius Online: The Research-based Solution for Improving Student Achievement

At Sirius Education Solutions we understand that educators need tools that are grounded in effective research and best practices. That's why we are proud to share that *Sirius Online* meets the Every Student Succeeds Act (ESSA) Tier IV Standard of Evidence.

We collaborated with the leading research and evaluation non-profit, McREL International, to meet this evidence standard. Together with McREL, we built a Logic Model and an Annotated Bibliography covering the Research Base supporting the program. Additionally, we are engaging in on-going research to help guide continuous improvement of the program for you and your students.

Research Prospectus

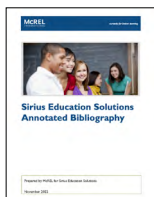**Some of the research-based features of the design and implementation of *Sirius Online* include:**

- Rich opportunities for feedback to support metacognitive skills
- Motivating student-teacher interaction
- Universal Design for Learning (UDL)
- Deep curriculum alignment with authentic STAAR Practice
- Spaced review with interleaving

These research-based practices contribute to *increased student engagement, greater confidence and motivation,* and *student self-efficacy and agency,* while *improving learning and STAAR performance.*

"Sirius products work, they're just amazing. I have seen firsthand scores go up… I highly, highly recommend Sirius products for any course content there is."

"Sirius is STAAR aligned, easy to maneuver, provides great scores/reports, and gives great feedback to the kiddos!"

With *Sirius Online*, you can be sure that your students are effectively learning and preparing for STAAR. Contact us to learn more about our research and how to bring the research-based *Sirius Online* to your teachers and students!

Research Base Bibliography

STAAR® is a registered trademark of the Texas Education Agency, which does not endorse this program or its content.

Sirius Online ESSA Tier IV Logic Model

Context

Sirius Online is a versatile tool that can be used discreetly or in combination with other instructional resources for intervention, accelerated learning, and STAAR testing preparation as directed by teachers. While STAAR assessments cover all TEKS, they disproportionately emphasize Readiness TEKS which represent about 30% of the total TEKS but account for 60-65% of STAAR tests.

Resources

Sirius Online is a technology platform designed to match the STAAR testing platform, offering instruction and practice that focuses on the most-tested Texas Essential Knowledge and Skills (TEKS). Sirius provides multiple feedback sources and levels to scaffold thinking, activate metacognition, and build towards complex problem-solving.

Sirius Online incorporates Universal Design for Learning (UDL) to provide multiple means for engagement, making it easier for students with diverse learning needs to participate. The program platform includes engagement, monitoring, and robust reporting tools, which can be customized for differentiated instruction through Tier 1, 2, and 3 levels.

**Sirius Online
Technical
Support**

Activities

With *Sirius Online*, teachers can utilize targeted instruction and practice to meet student needs. Teachers introduce *Sirius Online* to students, identify the tools to use based on TEKS and priorities, and monitor progress using feedback, assignments, diagnostic assessments and reports.

Sirius Online provides technical support and various modes of training to support implementation, helping students and teachers achieve success.

**Sirius-led Training
and Professional
Learning**

Outputs

With *Sirius Online*, school staff can refocus instruction on the most-tested Texas Essential Knowledge and Skills (TEKS). Teachers assign *Sirius Online* assignments and practice tests throughout the school year, and students complete them to develop a schema for STAAR test-taking. Feedback provided by teachers on the *Sirius Online* platform helps students identify areas for improvement and experience early success with authentic STAAR practice tests.

Outcomes

Short-Term
- Increased student comfort with the STAAR test platform
- Increased student confidence in answering challenging STAAR questions
- Increased student perception they can control studying and testing strategies for improved individual performance on the STAAR assessment
- Increased performance and passing rates for all students who use the platform
- Increased teacher confidence in student STAAR performance
- Increased student engagement and motivation with STAAR content

Long-Term
- Builds agency in student learning

Theory of Change

If students' test-practice experience mirrors the STAAR items and platform, students will have increased experience and confidence, which leads to higher passing rates including for students who re-test.

The multiple feedback opportunities embedded in the *Sirius Online* platform offers students access to immediate performance feedback and encourages enhanced teacher-student communication to see how performance is impacted by student effort and strategy.

CLICK to learn more about Sirius Online research and efficacy

Contact us for more information