



“I always pray with joy because of your partnership in the gospel...”
—Philippians 1:4-5

Great relationships.
Great workshops.
Great impact.

TEC21SM

STEM Education Workshop Program

Principals regard TEC21 as the expert leader in tech integration in Lutheran education. Entering Season 13, the TEC21 workshop program is trusted by hundreds of schools across the United States and globally. The TEC21 approach to teacher education is rooted in discipleship and principles of adult learning.

Technology is a major component of the rapidly growing field of STEM education. We believe the TEC21 STEM program will help elevate Lutheran schools and position them as frontrunners in education. It's a tremendous platform to improve teaching, learning and outreach, and an opportunity to serve others through partnerships with the community.

Ultimately, students will use the skills learned from STEM programming to solve real-world problems. *In 2020, STEM students at Trinity Lutheran School in Fremont, Nebraska, designed and printed door handles for opening doors to prevent the spread of the COVID-19 virus!* STEM learners today will be tomorrow's exceptional, collaborative, innovative and groundbreaking leaders.

We understand TEC21 STEM education teachers will have varying degrees of proficiency for this new way of teaching. Learning on the TEC21 STEM cohort track is virtually endless, especially as teachers become confident to stretch and engage each other for support.

Unlike a conference or webinar, this new TEC21 cohort provides a holistic view of STEM in education to provide a framework for sustainability. This is a long-term investment for schools. It's important for administrators to understand that STEM is not a self-contained area of study. It belongs in every subject. TEC21 is focused on the learning continuum that will help make every STEM beginner a master.





We believe the key to opening the hearts and minds of any learner is a fun, safe and trusting learning environment. We build relationships with our cohort participants to create a spirit of community and establish trust.

We believe there are five interrelated components of our workshop program that are critical to building, fostering and maintaining high-functioning teacher-learner cohorts.

Each session includes experiences designed to help participants **CONNECT** and build relationships, **SHARE** resources and teaching and learning methodologies, **INSPIRE** one another to impact and enhance teacher and student learning, **GROW** in knowledge and best practices, and find tremendous **SUPPORT** as we encourage one another in our respective teaching ministries.

Tiered Pathway to Learn and Grow

Summer STEM Academy

2022 (13.0 hours)

Monday, June 27—Wednesday, June 29
Trinity Lutheran School
1546 N. Luther Road
Fremont, NE 68025

2023 (13.0 hours)

Monday, June 26—Wednesday, June 28
Trinity Lutheran School
1546 N. Luther Road
Fremont, NE 68025

Our time will be focused on building personal learning plans and short- and long-term goals for each participant. Together, we'll create a repository of grade-specific lessons that cover each area of STEM. We'll investigate opportunities for participants to build in their own research to monitor the direct impact STEM interventions have on students. We'll look at how schools can explore and find the financial capital to sustain STEM instruction for years. We'll probe how the skills students will learn can be transferable to programs that directly impact the issues communities are trying to address.

Monthly Virtual Sessions

(17.5 hours over seven monthly, 2.5-hour sessions)

September 2022 through April 2023
(one Thursday per month, excluding December)

- Synchronous and asynchronous remote learning
- Training, equipping, encouragement and support
- Teachers connect digitally, spiritually and socially
- Supported development of participants' short- and long-term goals
- Dedicated project development time
- Ongoing accountability through virtual show and share of successes, misfires and progress reaching end goals
- Expert support for best-in-class implementation
- Scaffolding of lessons/sessions to allow educators to create a personalized, one-of-a-kind STEM training portfolio

Between-Session Support

Asynchronous:

- TEC21 Educators Group on Facebook, connecting hundreds of workshop participants and a global team of TEC21 facilitators
- Ongoing support from the community/cohort
- Participants become supporters of the next season's cohorts
- Growing power in numbers, ideas and proof of concept
- Bi-weekly, one-on-one check-ins

Synchronous:

- One-on-one support from TEC21 facilitator, as requested by participants

One Low, One-Time Registration Fee

\$1500/participant





Brett Meyer is director of TEC21 STEM Education cohorts and serves as TEC21's workshop facilitator for the Nebraska district. He's a University of Nebraska graduate with bachelor's and master's degrees from the University of Nebraska Kearney and an education degree from the University of Nebraska at Omaha. He spent seven years at the University of Nebraska-Lincoln where he coordinated the College of Engineering's K-12 Outreach

program, worked with faculty members on instructional design practices in blended classrooms and conducted research on K-12 engineering education.

Brett joined the staff of Trinity Lutheran School in Fremont, Nebraska, in 2017 as coordinator of STEM education. He assists with teaching Project Lead The Way, leads an after-school STEM program for students from multiple schools

and oversees the Trinity's aquaponics system. Brett is also a part-time instructor for the University of Nebraska at Omaha College of Education where he teaches a course focused on the improvement of STEM instruction.

Brett says TEC21's mission aligns with his own beliefs.

“This is an amazing network of dedicated teachers and disciples coming together for a common cause: to give teachers the tools to prepare students for 21st-century leadership.

“Teachers want STEM programming and crave the social engagement with other teachers that will lead them to better understand what worked, what was modified or even how they might do it differently next time.”

For more information, contact
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316.641.8356 or Brent@TEC21Connect.com



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The TEC21 STEM Education Workshop Program is uniquely designed to meet the needs of Lutheran schools that are united in Christ and mission.