

LEGISLATIVE BRIEFING

Build the infrastructure behind Kentucky's science workforce.

Create Kentucky Center for Science Education to develop critical thinkers, build local capacity in every district, and leverage external funding.

A consistent P-20 pipeline for Kentucky's workforce economy



THE OPPORTUNITY

Kentucky identified the top in-demand workforce sectors. KCSE builds the pipeline.

1 Healthcare

Clinical + Life sciences

2 Manufacturing + Logistics

Engineering + Systems

3 Construction

Materials + Problem-solving

4 Education

Science learning + Talent

5 Professional

Scientific + Technical
services

All five workforce sectors depend on a reliable pipeline of students who investigate, analyze data, communicate evidence, and solve unfamiliar problems.



The standards changed. Support did not keep pace.

 **2013** New science standards require critical thinking

 **Today** Teachers need 90-120+ hours of learning to transform practice

Local districts
cannot close the
capacity gap alone,
especially rural districts

KCSE creates consistent infrastructure for effective science programs

PIMSER Brings

- ✓ proven 501(c)(3) platform
- ✓ statewide relationships
- ✓ funding-development record
- ✓ systems-design expertise



KCSE Develops

- Master Teacher Leadership
- New Science Teacher Pipeline
- Administrator + Co-op Support
- Identify + Leverage Funding



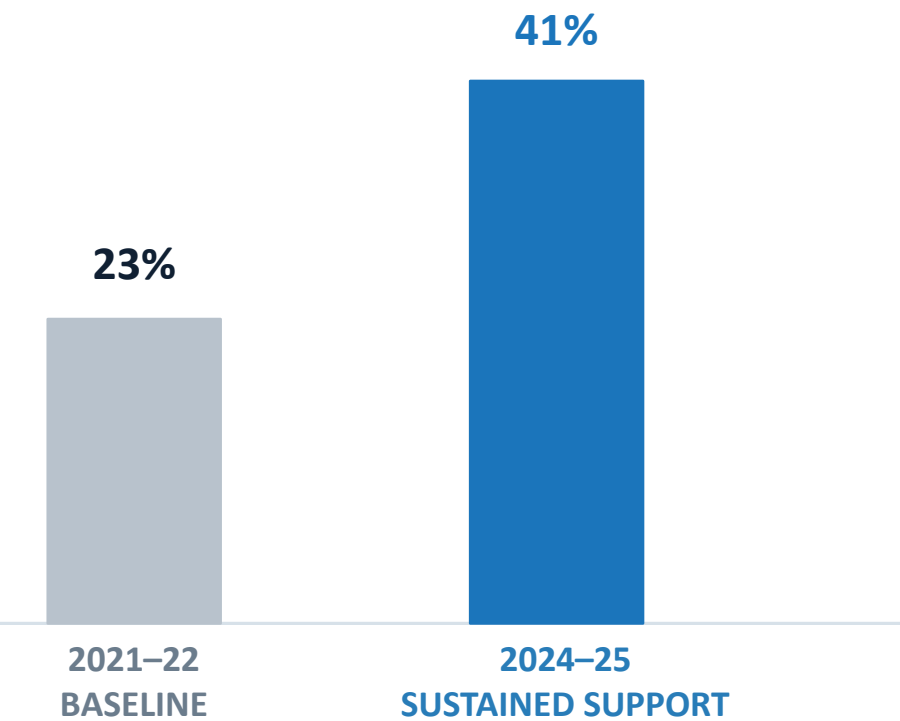
Every Region

- Statewide access
- P-20 research
- Public reporting
- Return on investment

One teacher reached every fourth-grade student

Cowan Elementary | Letcher County

GRADE 4 SCIENCE — % PROFICIENT / DISTINGUISHED



How this growth happened

- 1 USDOE \$8M project: 90 hours of professional learning in one year
- 2 KDE-funded PIMSER support: 20 additional hours
- 3 PIMSER Science Leadership Support Network: 32 hours
- 4 Continued pursuit of improvement

RESULT: Science outpaced reading and math for two cycles. Novice was reduced from 22% to 13%.

KCSE can operate through a proven Kentucky model

501(c)(3)

Current PIMSER Structure

KCM

Kentucky Center for
Mathematics
Successful model partner

450

K–5 Administrators
Supported Since 2025

\$20M+

Grants + Contracts
Managed Since 2025

Already working synergistically through Numeracy Counts.

PIMSER supports K–5 administrators; KCM supports K–5 teachers.
Current work: Toyota Driving Possibilities • NSF Noyce

INVESTMENT MULTIPLIER

State funding helps KCSE bring more dollars into Kentucky

\$2M

Reliable state infrastructure

Builds capacity, credibility, and grant-ready systems

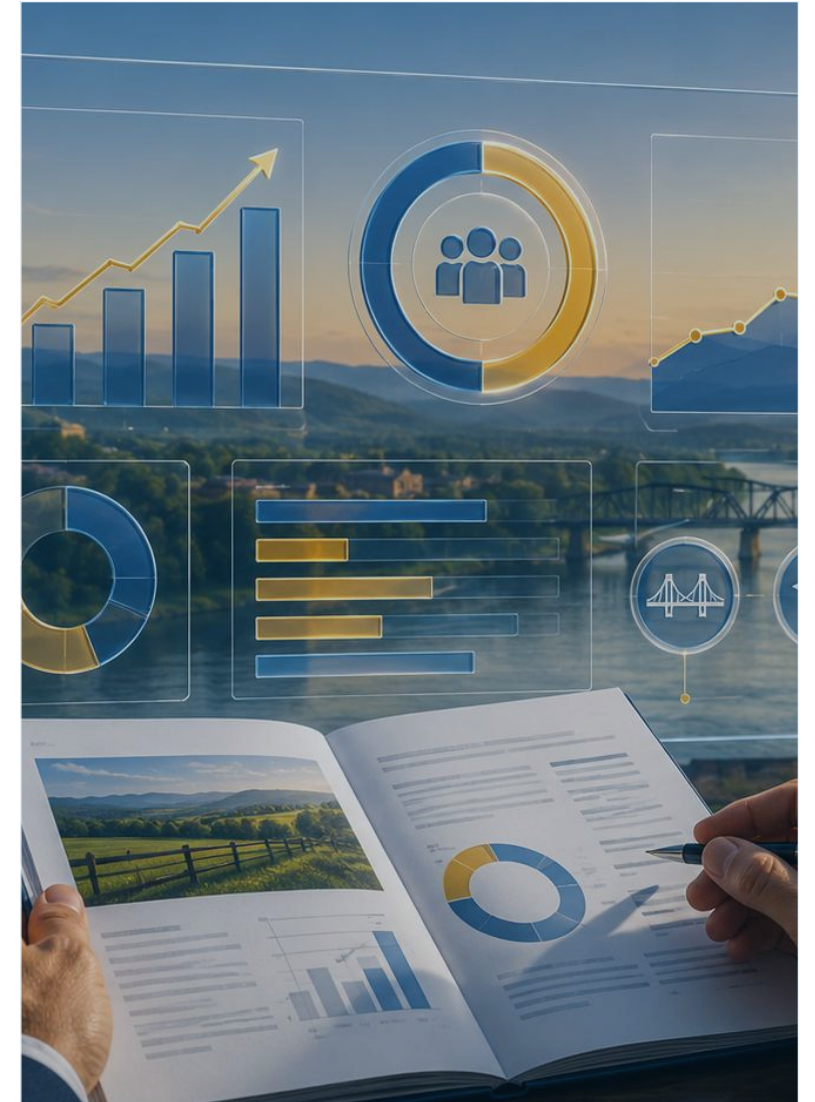
\$20M+

Proven funding record

PIMSER has managed grants and contracts at scale since 2005

THE RETURN: State dollars strengthen KCSE's ability to attract and manage additional external funding.

Federal grants • Foundation investments • Contracts • Strategic partnerships



A CPE/KDE funding pathway with visible return

\$1M

FY 2026-27 launch

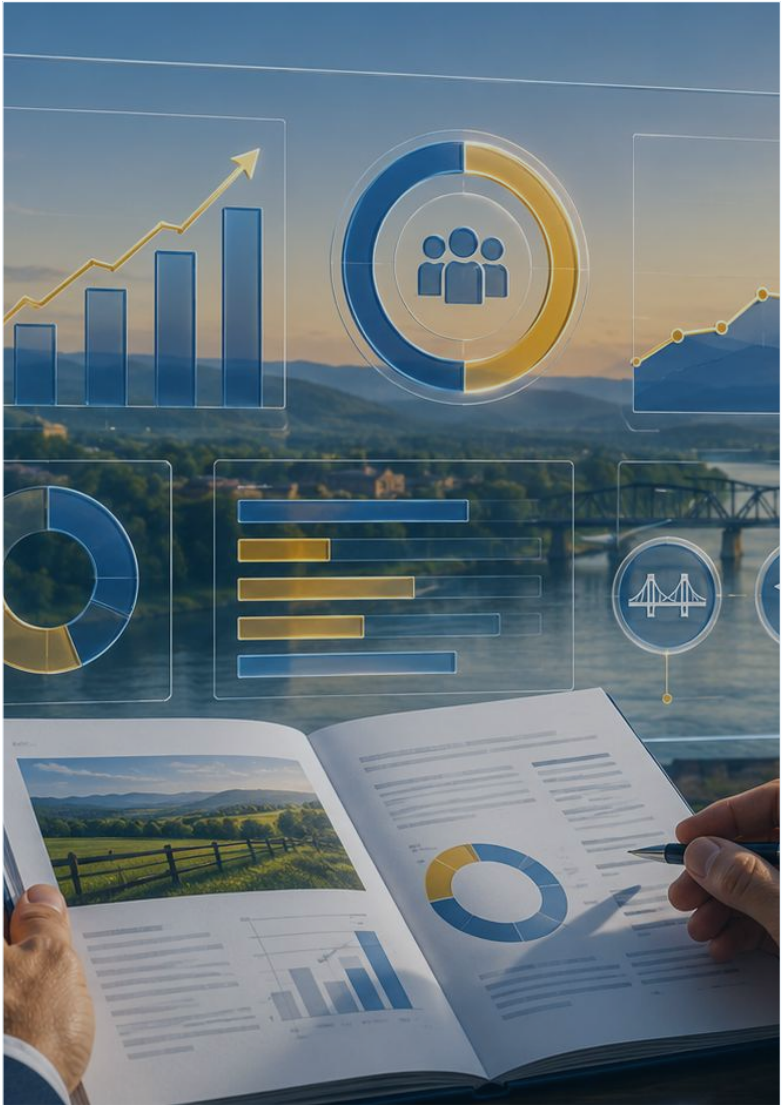
Launch KCSE; scale SLSN; support P–20 leaders

\$2M

Recurring support

Continuous support; identify + leverage added funding

CPE or KDE funding flow with a KCM-aligned structure



THE LEGISLATIVE REQUEST

Establish and fund the Kentucky Center for Science Education.

So every Kentucky student - rural or urban - has access to science learning that builds knowledge, problem-solving, and opportunity.

\$1M Launch • \$2M Recurring • Statewide access • Strong return on investment with annual public reporting

Kentucky has the need, the model, and the leadership ready to act.