



# 2023-2024 Data At-a-Glance and Statewide Efforts to Support Teaching and Learning

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# 2023-2024 Data-At-a-Glance

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# 2023-2024 Assessment and Accountability Performance Highlights

- Released in data set spreadsheets on the KDE website in [Open House](#)
- Maintained percentage of Proficient/Distinguished (P/D)
  - Elementary school: reading, mathematics, on-demand writing
  - Middle school: reading
  - High school: social studies
- Increased percentage of P/D
  - Middle school: mathematics, social studies, on-demand writing
  - High school: reading, mathematics, on-demand writing
- Increased 4-Year and 5-Year Graduation Rates for most student groups

# 2023-2024 Assessment and Accountability Growth Areas

- Persistent Achievement Gaps among student groups (Students with Disabilities, English Learners and African American students)
- Science P/D Performance at all Grade Spans (E/M/H)
- Larger declines in Science Proficient and Distinguished Percentages at High School

# Nonacademic Factors Potentially Impacting Performance

- Chronic Absenteeism\*
- Teacher Shortage\*\* (especially in critical areas such as Middle and High School Science and Mathematics, Special Education, and English as a Second Language)

\*[KDE's Chronic Absenteeism Campaign](#)

\*\*Public messaging campaign planned for 2025

# Science Performance

# Kentucky Summative Assessments (KSA/AKSA)

- KSA is a criterion-referenced assessment, created to measure Kentucky standards.
- Kentucky Teachers are involved in all processes related to the development of the KSA:
  - Development, revision and review of content standards,
  - Assessment blueprint alignment,
  - Development of assessment items, and
  - Standard setting to set cut scores that define performance levels

# Percentage of Students Performing at Proficient/Distinguished Levels in Science

Year	Elementary	Middle	High
2018	31% <sup>1</sup>	26% <sup>1</sup>	30% <sup>2</sup>
2019	32% <sup>1</sup>	26% <sup>1</sup>	30% <sup>1</sup>
2020	-----	No State Assessment	-----
2021	-----	Limited Participation <sup>3</sup>	-----
2022	29%	22%	14%
2023	35%	23%	10%
2024	<b>34%</b>	<b>22%</b>	<b>6%</b>

<sup>1</sup> Assessed with the new Kentucky Science Academic Standards.

<sup>2</sup> Reported Performance Level Percentages are for the ACT and Alternate K-PREP assessment.

<sup>3</sup> Assessed Kentucky Academic Standards to meet federal testing requirements with limited participation and no accountability.



# Revision of Science Standards

- The *Kentucky Academic Standards (KAS) for Science* (2022) was approved by the Kentucky Board of Education on Dec. 6, 2022, and officially incorporated into law in July of 2023.
- Once new standards were adopted, the development of items to refresh the assessment began.
- Students will experience newly developed items in spring, 2025.

# Science Assessment Refresh Goals

- Provide entry points for all students
- Maintain the alignment of the *KAS for Science* and assessment blueprint
- Reduce reading load
- Provide broader content coverage

# Refreshed Design of Science Assessment

- Continue to Include these Item types
  - Multiple Choice (MC)
  - Multiple Select (MS)
  - Technology Enhanced (TE)
  - Constructed Response (CR)
- Incorporate New item types
  - Standalone items
  - Short-answer (SA) items
- Continue to include some clusters with eight items
- Incorporate Clusters with fewer items and shorter stimuli

# Kentucky Department of Education Improvement Efforts

# School Improvement Update

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# School Improvement Update Details

- No new schools were identified for CSI or ATSI status.
- Eight schools exited CSI status.
- 140 schools were identified for TSI status, a reduction of 84 from the prior year.
- CSI schools will continue to receive intensive support from the KDE.
- Support has been offered to all TSI schools.

# High Quality Teaching and Learning

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# High Quality Teaching and Learning: Implications for Instruction

- Investing in Kentucky teachers and administrators to increase student access to high-quality, standards-aligned, grade-level learning
- Promoting High-Quality Instructional Resources (HQIRs) – Supported by KDE pilot programs/networks and the development of consumer guides
- Providing High-Quality Professional Learning (HQPL) – Asynchronous and synchronous learning, including curriculum-based PL aligned to selected HQIR and those supporting deeper learning EBIPs
- Improving communication around available resources, improvement supports, and bright spots



# Reading and Writing

## Supports for HQ Standards-Aligned Instruction

### Professional Learning:

- KY Reading Academies LETRS training (Cohort 3)
- Webinar series: Adolescent Literacy Cohort for 6-12 teachers with EBIPs to support skilled reading in middle and high school
- Kentucky Early Literacy Leadership Network (33 districts)
  - Pilot opportunity: Targeted asynchronous module for teachers of grades 6-12 (brain research, critical pedagogy, and key instructional shifts/strategies)
- *KY Reads to Succeed Summer Conference* (June 13, 2025)

### Additional Supports:

- K-5 Literacy Coaching Model – 23 school-based coaches
- 3 Regional Principal Support Leaders
- New Kentucky Reading Research Center partnership
- RDIF mini-grant (2025) and Kentucky Comprehensive Literacy Grant (2025)
- ICF Evaluation – Year 2
- Center for Public Research and Leadership (CPRL) study at Columbia University (3 Kentucky districts) - In partnership with the Research Partnership for Professional Learning (RPPL) at Brown University, and RAND's American Instructional Resources Survey (AIRS).

# Mathematics Supports for HQ Standards-Aligned Instruction

## Kentucky Numeracy Counts Implementation

- Published an [implementation timeline](#) and guidance document
  - Released Spring 2024
- Secured a director of mathematics education
  - Dr. Jennifer Fraley
- Developing a KDE-approved list of valid, reliable screening and diagnostic assessments for K-3 mathematics
  - Published Feb. 2025

## Grant Opportunities

- MAF Coaching Grant – Ongoing; direct job-embedded school-based coaching support for teachers and administrators; KCM partnership
- HQIR Math Grant – Opens Jan. 2025

## Professional Learning

(State-level partners for the Numeracy Counts Academies)

- **AdvanceKentucky’s “Access to Algebra” Program:** comprehensive training and incentives to support rigorous middle school math programs
- **Educators’ Professional Implementation Center (EPIC) Kentucky Numeracy Alliance:** 2-year professional learning pilot program supporting 200 teachers of grades 3-5 and grades 6-8, includes the Carnegie Learning’s evidence-based learning modules *Patterns* and coaching
- **Kentucky Center for Mathematics (KCM):** 2-year hybrid learning experience for K-5 math educators featuring a blend of in-person, synchronous, and asynchronous virtual learning opportunities - Applications open April 2025
- **Partnership Institute for Math and Science Education Reform (PIMSER):** Hybrid leadership academies providing in-person, synchronous, and asynchronous virtual learning opportunities for instructional leaders with teachers participating in the KCM K-5 teacher academies - Applications open April 2025

# Science

## Supports for HQ Standards-Aligned Instruction

### Professional Learning:

- Modules: Diverse Sensemaking, Modeling in Science, Scientific Phenomena-Based Instruction
- Regional workshops on effective implementation of the *KAS for Science*

### Resources/Materials:

- 3-Dimensional Assessment Modification samples
- ATLAS web-based instructional tasks for Kentucky-based scientific phenomena
- Consumer Guide published statewide in spring 2024

### Pilot Opportunities:

- Developing HQ Local Curriculum Science Pilot, including evaluation and selection of HQIRs for science

### Partnership:

- PIMSER Partnership:
  - Science Learning Support Network and Science Leadership Support Institute
  - Elevating bright spots