

2024 NSF ITEST PI Meeting

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Welcome ITEST PI Community!



Innovative Technology Experiences for Students and Teachers (ITEST)

An applied research and development program designed to advance the equitable and inclusive integration of technology in the learning & teaching of STEM from pre-K through 12th grade.

Current ITEST Solicitation:

NSF 22-585

Next Full Proposal Deadline

August 09, 2024

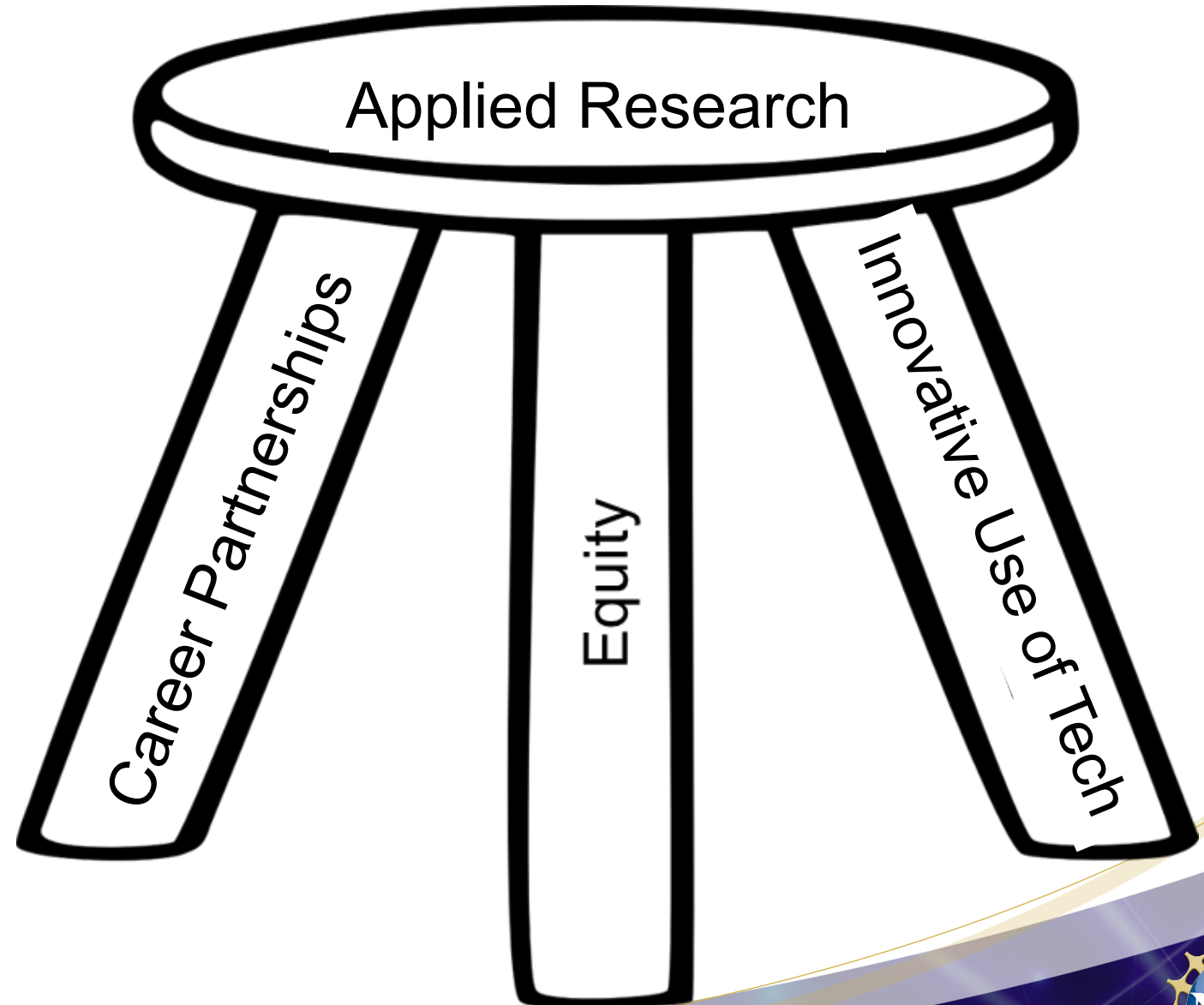


ITEST Highlights

- ITEST is responsive to societal needs and emerging areas of STEM and related careers, such as:
 - Quantum computing, artificial intelligence, computational thinking, cybersecurity, data science, environmental science, semiconductors and microelectronics, climate change, and clean energy.
- ITEST funds proposals situated in both formal and informal educational settings.
 - Schools, community locations, museums and libraries, university or industry sites. Before, during, or after regular school hours as well as in the summer or on weekends as appropriate for the project's goals.



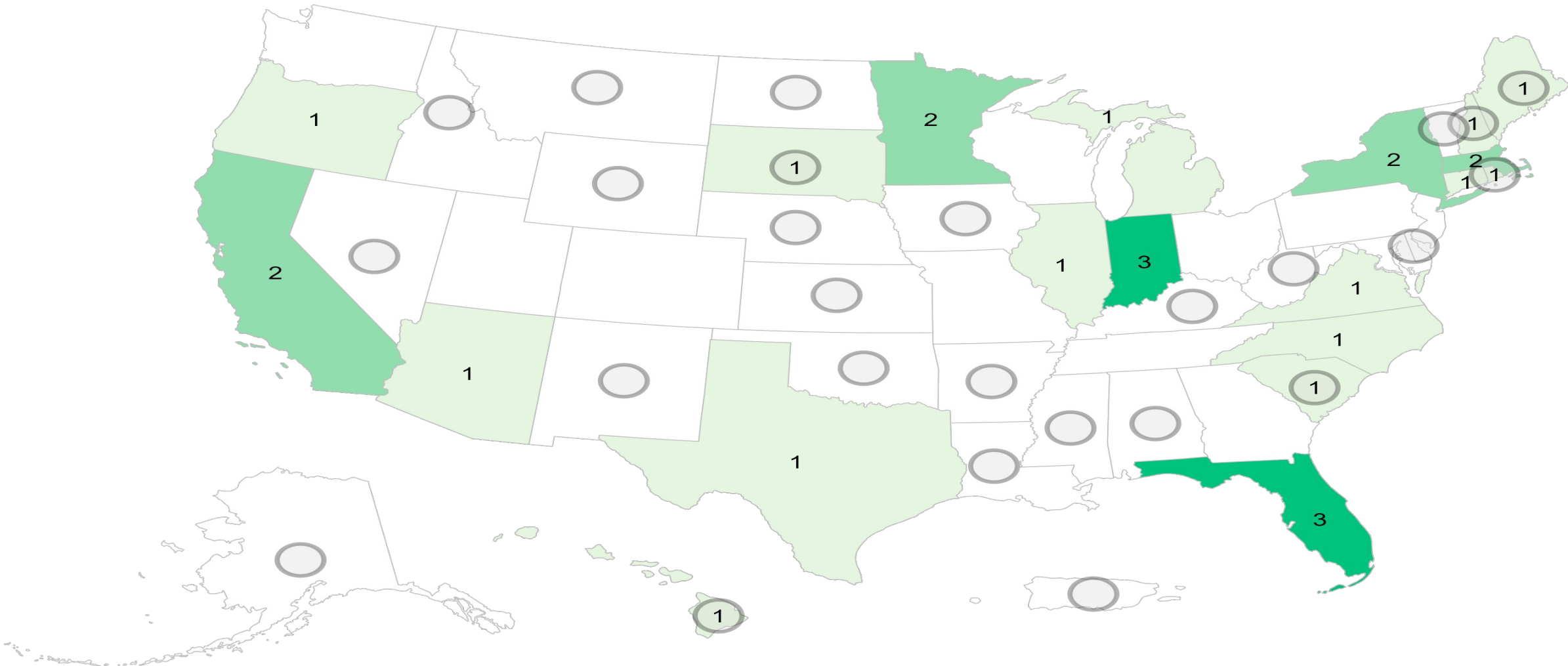
ITEST REQUIRED Pillars



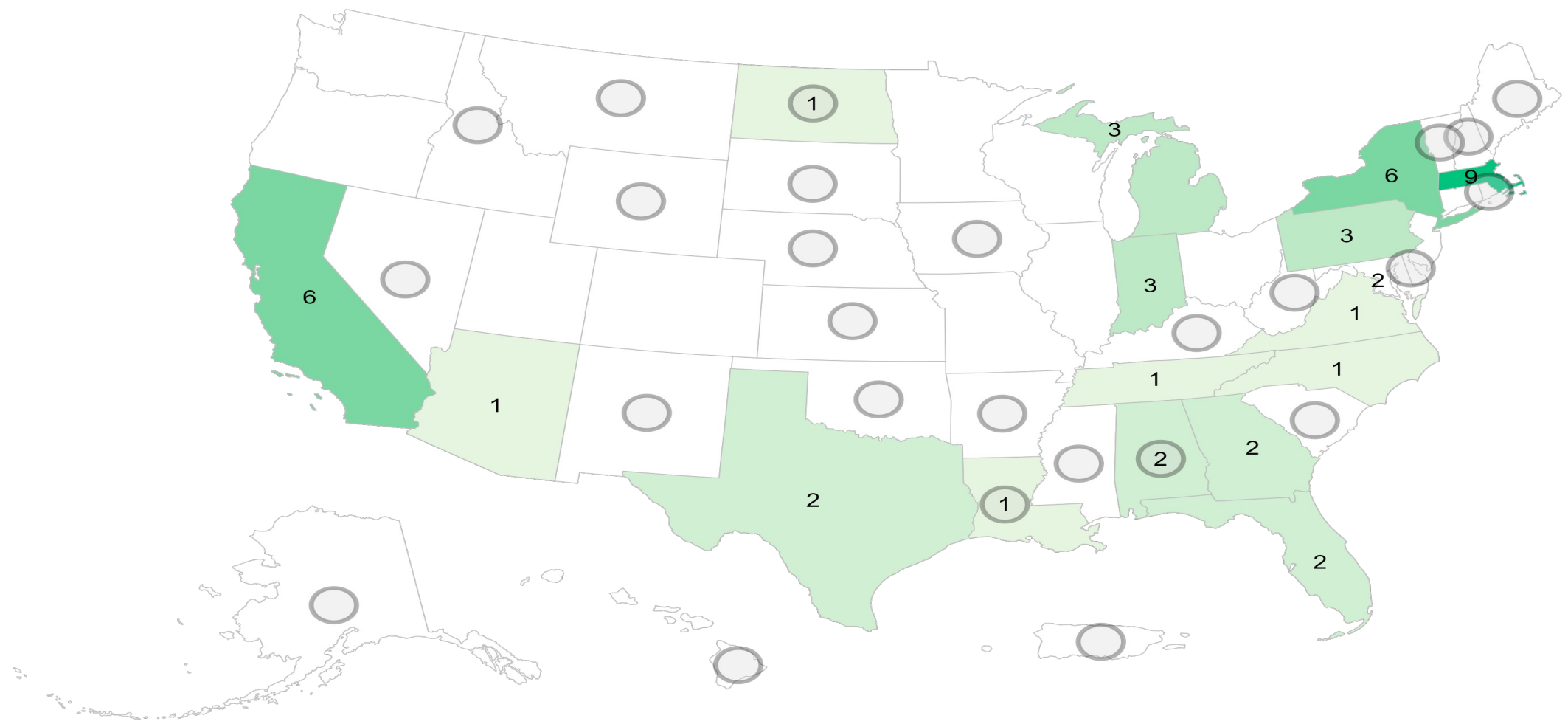
* FY22: 27 New Awards for 22 Projects;
* FY23: 28 New Awards for 18 Projects. In addition, ITEST funded 14 AI Education Rapid Awards, 2 Career Awards and 1 Planning Award



MAP OF REGULAR ITEST AWARDS FOR FY22 (27 awards representing 19 states)

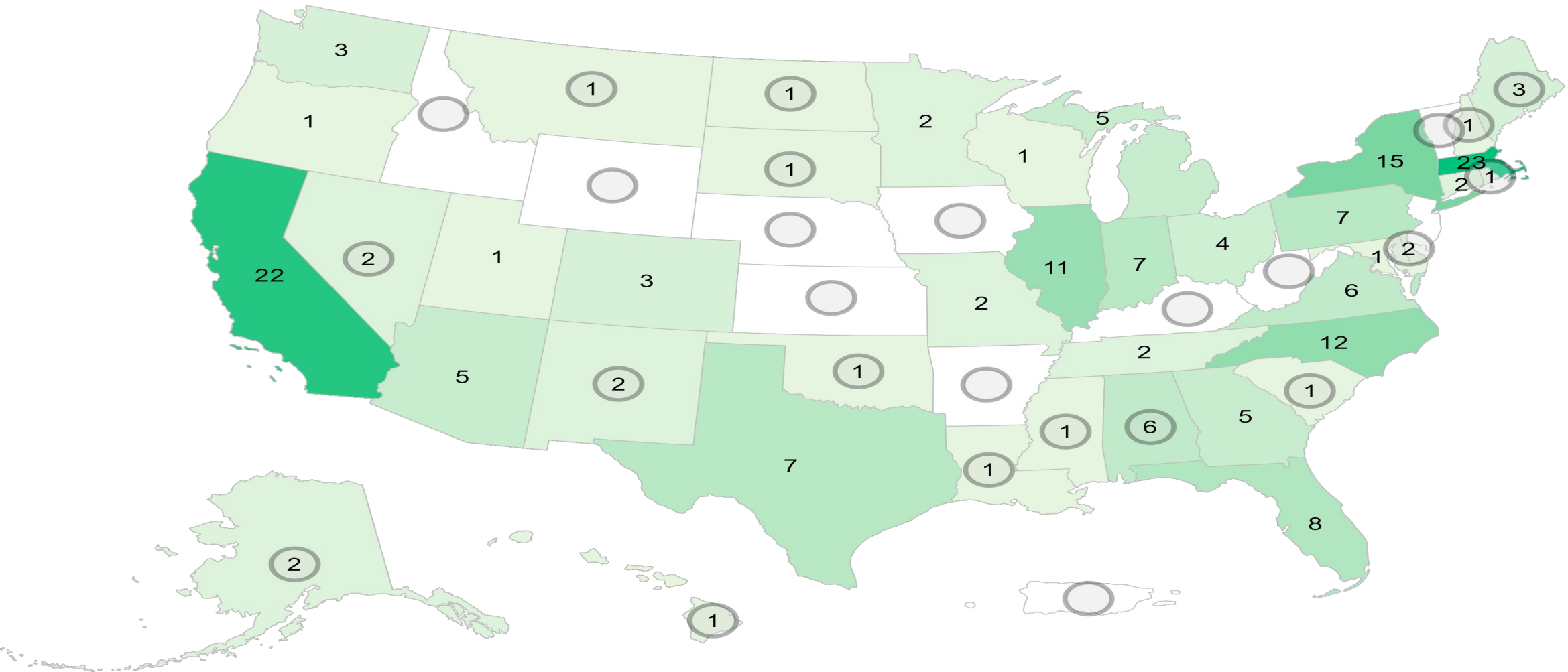


MAP OF REGULAR ITEST AWARDS FOR FY23 (28 awards representing 17 states)



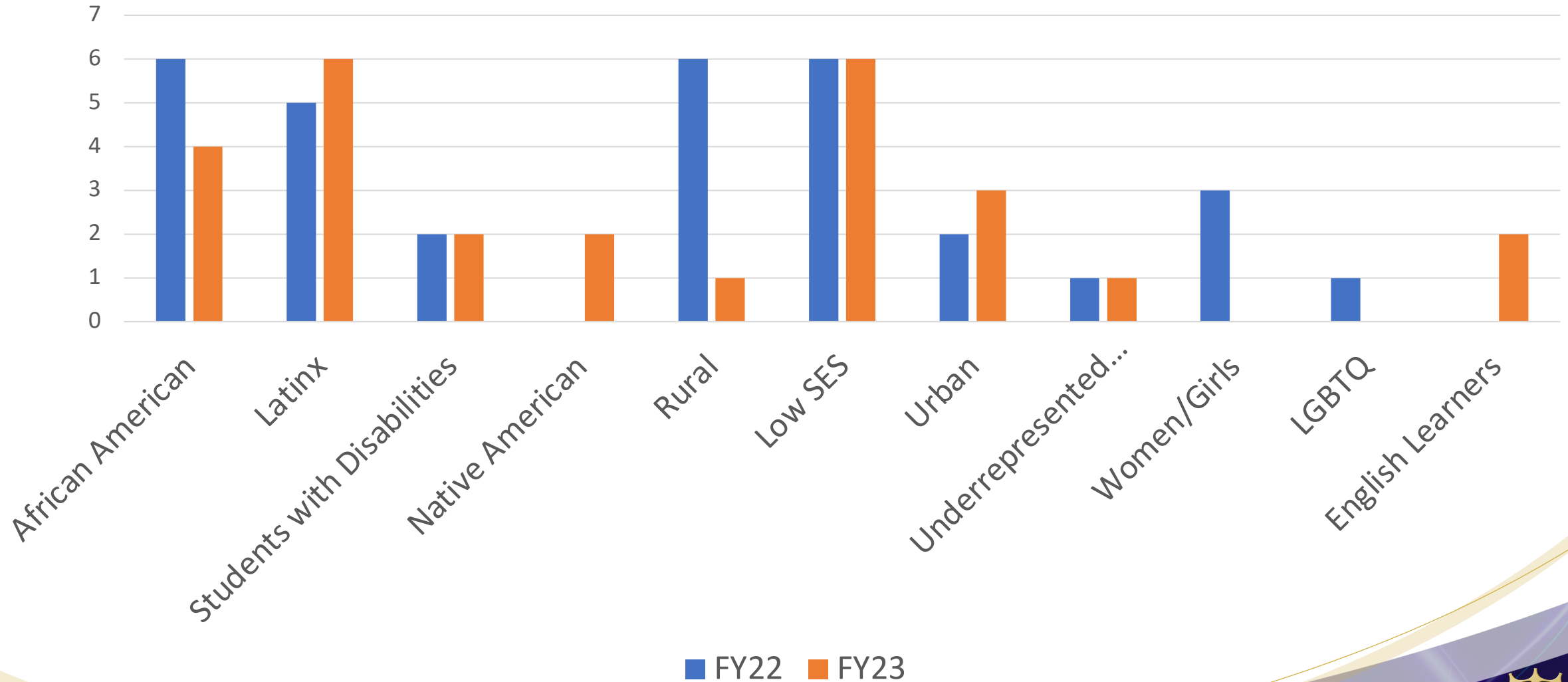
epscor states marked with circles

MAP OF ACTIVE ITEST AWARDS (#182)

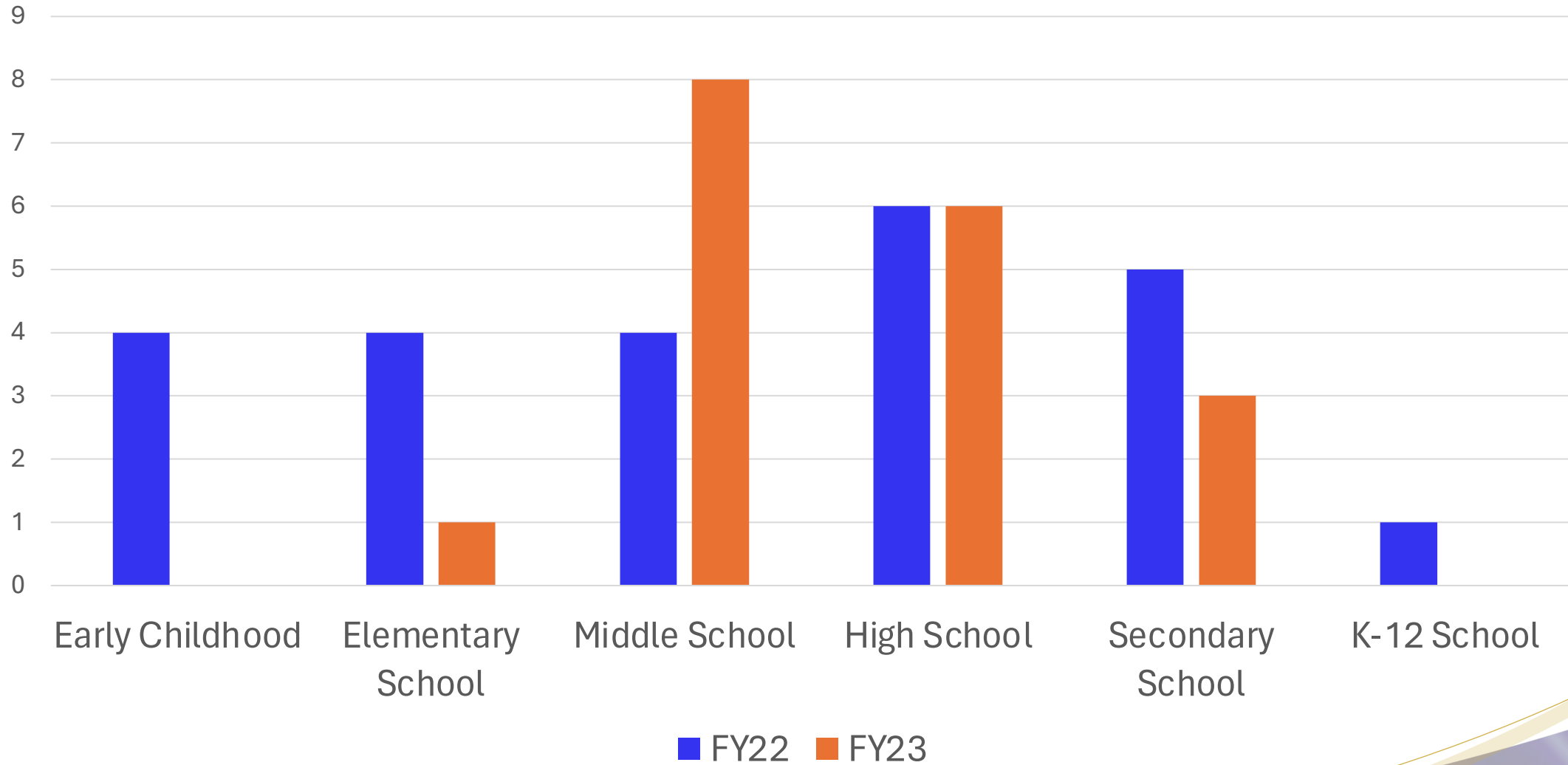


epscor states marked with circles

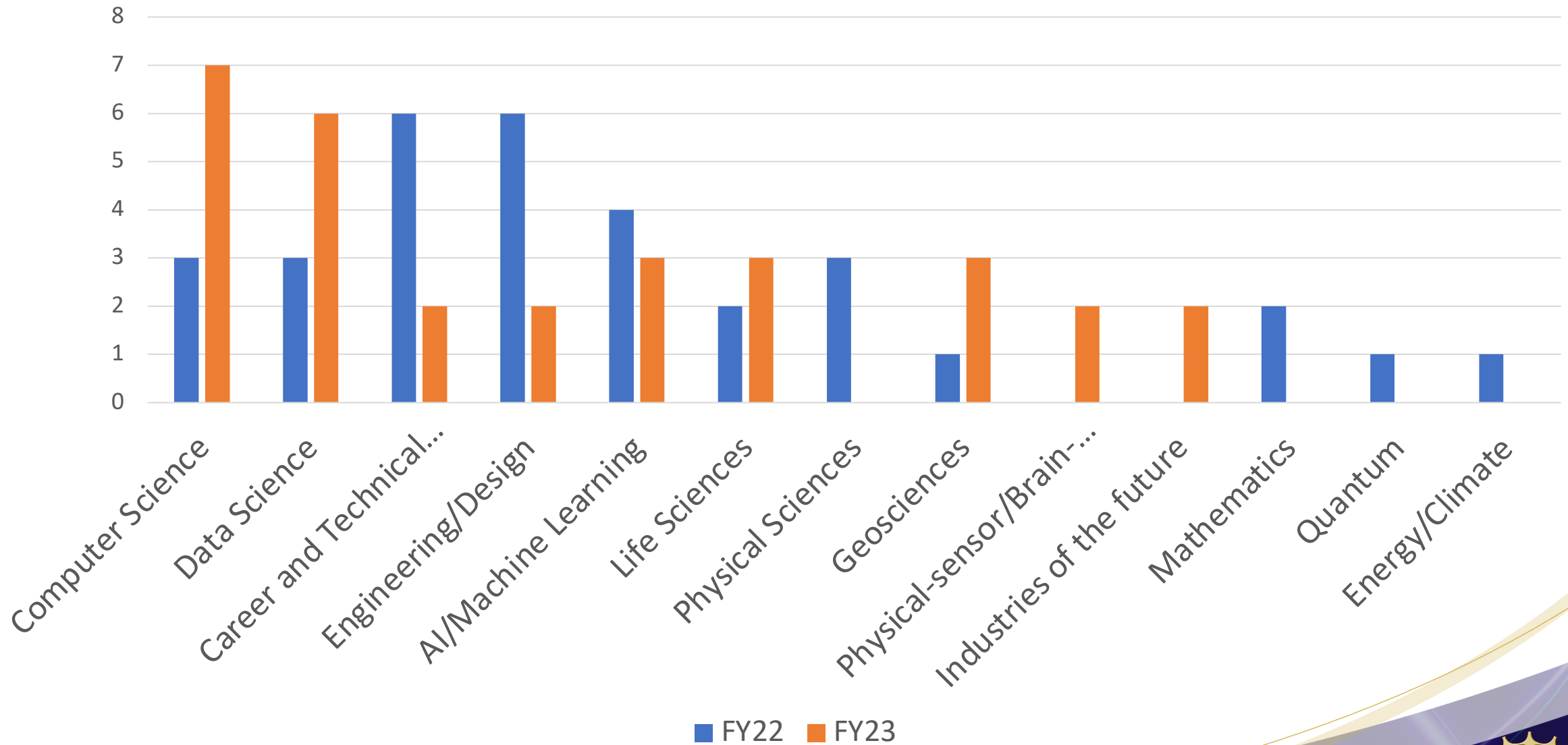
Funded ITEST Projects by Group Served in FY22 and FY23



Funded ITEST Projects by Grade Levels in FY22 and FY23



Funded ITEST Projects by Content Area in FY22 and FY23



A word cloud of terms related to digital technology in education. The most prominent words are 'technology', 'learning', 'knowledge', 'support', 'development', 'school', 'research', 'program', 'science', 'data', 'system', 'design', 'career', 'build', 'funded', 'middle', 'ict', 'evaluation', 'practices', 'information', 'workforce', 'contexts', 'develop', 'development', 'skills', 'curriculum', 'processes', 'professional', 'technologies', 'computing', 'supports', 'activities', 'mathematics', 'engineering', 'careers', 'study', 'contributing', 'schools', 'engage', 'youth', 'increasing', 'computer', 'education', 'participation', 'elements', 'projects', 'team', 'impact', 'understandings', 'community', 'communication', and 'evaluation'.

Call to Action for PI Community

- **Developing Strong Partnership** with stakeholders in EPSCoR jurisdictions.
 - EPSCoR: **E**stablished **P**rogram to **S**timulate **C**ompetitive Research
 - EPSCoR program pursues a mission to enhance the research competitiveness of targeted jurisdictions
 - Eligible jurisdictions (#28):
 - Alabama, Alaska, Arkansas, Delaware, Guam, Hawaii, Idaho, Iowa, Kansas, Kentucky, Louisiana, Maine, Mississippi, Montana, Nebraska, Nevada, New Hampshire, New Mexico, North Dakota, Oklahoma, Puerto Rico, Rhode Island, South Carolina, South Dakota, Vermont, US Virgin Islands, West Virginia, and Wyoming



Call to Action for PI Community

- **Scaling-up Promising Innovations** across regions/states, grade levels, ages and demographics through the Scaling, Expanding, and Iterating Innovations (SEI) projects
- **Engaging Children in STEM Education Early**
- **Developing a Solid Foundation in Math and Science** for students, especially those in underserved communities
- **Advancing Equitable and Inclusive STEM Education and Workforce Development** in critical and emerging areas, including microelectronics/semiconductor, artificial intelligence (AI), quantum information science and engineering (QISE), robotics, cybersecurity, data science, climate change, clean energy, etc.

