

### Beth Fultz NAEP Consultant Kansas State Department of Education

**KSDE** Fall Conference

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#### What is NAEP?

# NATIONAL ASSESSMENT OF EDUCATIONAL PROGRESS

- Kansas has participated in NAEP as a state since 1998.
- Since 2003, all states have been participating in state NAEP assessments.



#### **NAEP BASICS**

# Two types of assessments

- Main NAEP
- Long Term Trend



#### MAIN NAEP

#### Required at grades 4 & 8

- Reading and Mathematics
- Science
- Administered every two years (odd years)
- State Data

#### Voluntary

- Grade 12
- Other content areas such as the arts, writing, civics, economics, geography, and U.S. History
- Administered periodically



#### NAEP LONG-TERM TREND

- Reading and Math
- Age based (9, 13, 17)
- Administered every four years
- Longitudinal data goes back over 30 years



#### **NAEP BASICS**

- Who Determines the content?
  - The National Center for Education Statistics (NCES), a division of the U.S. Department of Education's Institute of Education Sciences (NCES) is responsible for development of the test questions, the administration of the assessment, scoring, conducting analyses, and reporting results.
  - The content for the assessment is determined by the National Assessment Governing Board (NAGB). NAGB also sets policy for NAEP. The 26 Governing Board members are appointed by the U.S. Secretary of Education.



#### WHO TAKES NAEP

• NAEP uses a carefully designed sampling procedure for the assessment to be representative of school and students in the United States.

#### In Kansas

- Approximately 140 buildings per grade
- Approximately 3,000 students per subject per grade



#### **NAEP SAMPLE**

#### **Fact:**

Every eligible student in Kansas has the same probability of selection.

#### **Fiction:**

NAEP selection is a random sample.



#### **NAEP RESULTS**

NAEP makes state-to-state comparisons reliable. Right now every state has different state standards and different criteria for meeting those standards.

Barbara Browning, Principal, Rockton District #140,
 Rockton, IL.



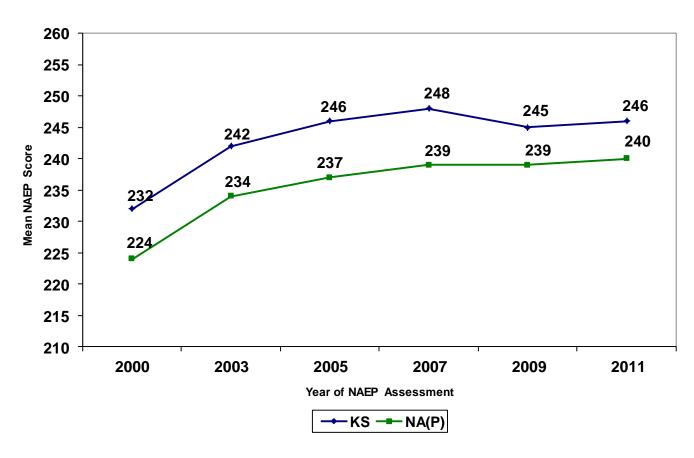
#### NAEP RESULTS

- Scale Scores
- Achievement Levels
  - Basic denotes partial mastery of the knowledge and skills that are fundamental for proficient work at a given grade.
  - Proficient represents solid academic performance.
     Students reaching this level have demonstrated competency over challenging subject matter.
  - Advanced represents superior performance.



### Grade 4 2011 Math Results

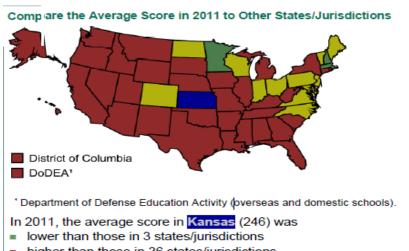
Kansas vs. Nation (Public)



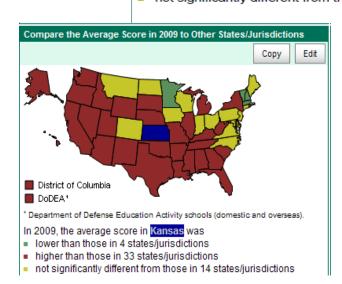
Math Scale = 0 to 500

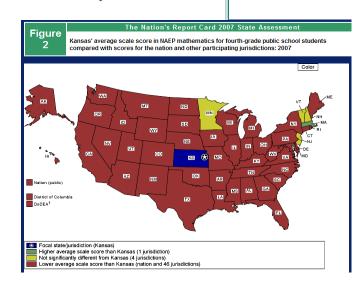


#### Kansas Grade 4 2011 Math Results **Compared to Other States**



- higher than those in 36 states/jurisdictions
- not significantly different from those in 12 states/jurisdictions

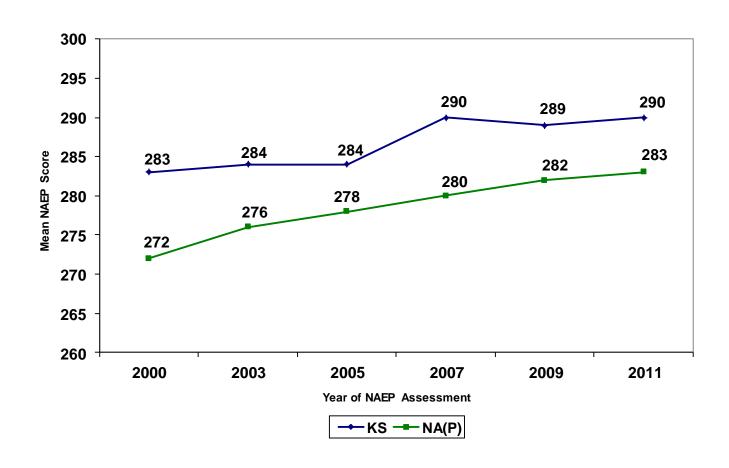






#### **Grade 8 2011 Math Results**

Kansas vs. Nation (Public)



Math Scale = 0 to 500



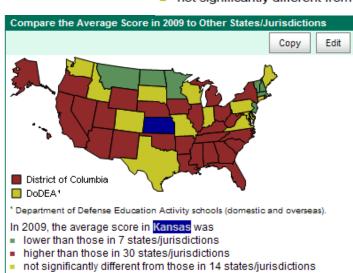
#### Kansas Grade 8 2011 Math Results Compared to Other States

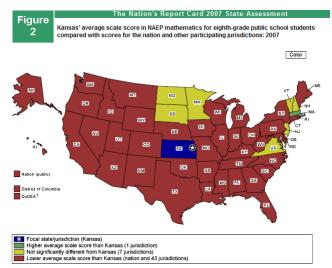


' Department of Defense Education Activity (overseas and domestic schools).

In 2011, the average score in Kansas (290) was

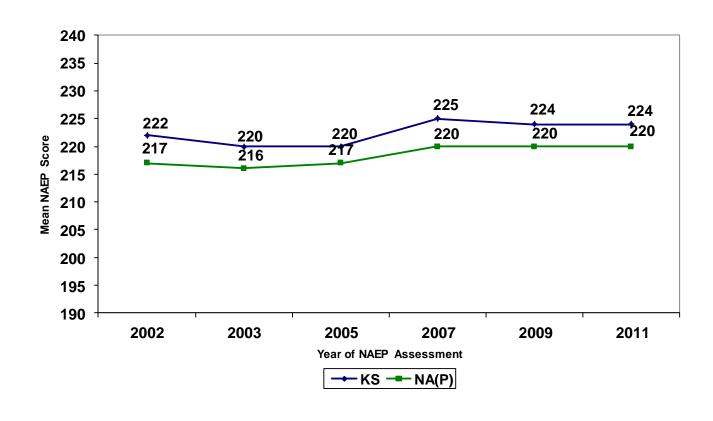
- lower than those in 7 states/jurisdictions
- higher than those in 32 states/jurisdictions
- not significantly different from those in 12 states/jurisdictions







# Grade 4 2011 Reading Results Kansas vs. Nation (Public)



Reading Scale = 0 to 500



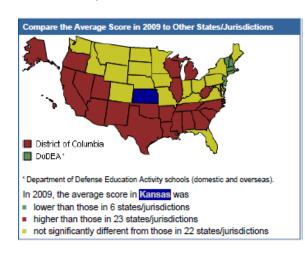
#### Kansas Grade 4 211 Reading Results Compared to Other States

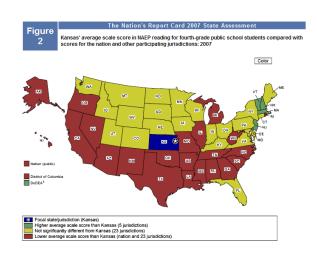


' Department of Defense Education Activity (overseas and domestic schools).

In 2011, the average score in Kansas (224) was

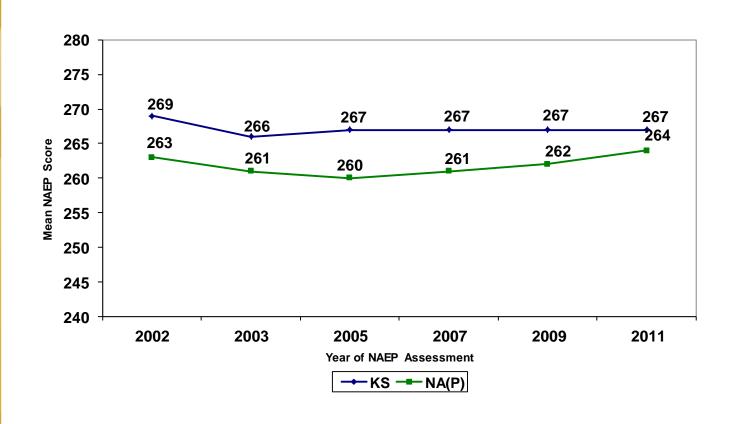
- lower than those in 8 states/jurisdictions
- higher than those in 22 states/jurisdictions
- not significantly different from those in 21 states/jurisdictions







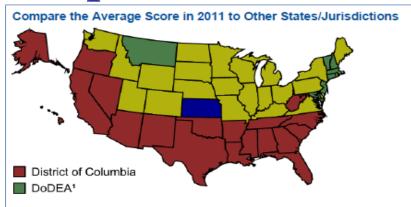
# Grade 8 2011 Reading Results Kansas vs. Nation (Public)



Reading Scale = 0 to 500



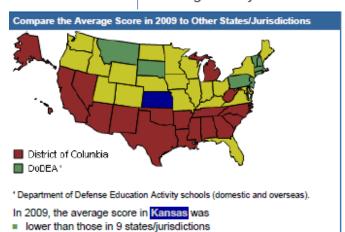
# **Kansas Grade 8 2011 Reading Results Compared to Other States**



' Department of Defense Education Activity (overseas and domestic schools).

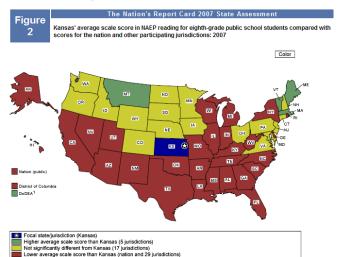
In 2011, the average score in Kansas (267) was

- lower than those in 8 states/jurisdictions
- higher than those in 20 states/jurisdictions
- not significantly different from those in 23 states/jurisdictions



not significantly different from those in 22 states/jurisdictions

higher than those in 20 states/jurisdictions





## Points to Keep in Mind

- NAEP is different than Kansas assessments
  - Stratified sample equated to state demographics
  - NAEP is a paper/pencil assessment
  - NAEP has multiple choice and constructed response items
  - Every student selected is tested in one subject only
  - Students only take a portion of the entire test
  - Administered on a single day
  - For most students, one 90-minute test session
  - Some test accommodations are provided for students with disabilities and/or English language learners
  - NAEP does not have an alternate or modified assessment



# **Implications and Conclusions**

- Public Perceptions
  - policy makers want to compare states
  - longitudinal studies on academic achievement and closing achievement gaps
  - trend lines that do not match

Common Core Standards and Assessments



#### **COMMON CORE STANDARDS**

- Content Specifications
  - Depth of Knowledge
  - Skills

- Alignment
  - State Standards
  - NAEP



#### **COMMON ASSESSMENTS**

- Consortiums
  - SBAC
  - PARCC
  - Independent States
- Comparability
  - Within
  - Between
  - NAEP



#### **SBAC ASSESSMENT**

- What We Know:
  - Computer Adaptive (Summative)
  - Multiple Test Item Types
  - Performance Task
  - When
- What We Do Not Know:
  - Who
  - How



#### **Transition to Common Core**

- Kansas Plan
  - Standards
  - Formative and Interim Assessments

Future of NAEP



### NAEP QUESTIONS TOOL

- Demonstration
  - Free Resource
  - Can be used as a formative tool
- Sample Questions
  - -4<sup>th</sup> Grade Reading
  - -8<sup>th</sup> Grade Math



### **CONCLUDING THOUGHTS**



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