

**OFFICE OF  
EDUCATOR QUALITY**

**MISSOURI ADVISORY BOARD  
FOR EDUCATOR PREPARATION  
(MABEP)**

**MISSOURI CONTENT  
ASSESSMENTS**



June 2, 2015

Missouri Department of Elementary  
and Secondary Education



# Missouri Educator Gateway Assessments

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- **MEGA'S Three Objectives**
  - Recruit the Right People
  - **Assess Content Knowledge**
    - 56 Certification Assessments
    - Increased Emphasis on Content
  - Assess Performance



## Goals – Missouri Content Assessments

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- **The Missouri Content Assessments are:**
  - **Based on unique needs and requirements of Missouri**
  - **Consistent with state and national educator standards and practices**
  - **Reflective of subject knowledge required for effective teaching**
  - **Accurate and valid**
  - **Free from bias**

# Involvement – Test Development Process

## Missouri Participation – PK-12, Arts & Sciences, EPPs

- **Bias Review Committee (BRC)**
  - Reviews for sensitivity and fairness
  - Checks for Bias
  - Reflects the diversity of the population
- **Content Advisory Committee (CAC)**
  - Assesses appropriate content for significance and accuracy
  - Free from bias
  - Determines job-relatedness and relevance
- **Marker Response Committee – Constructed Responses**
  - Reviews constructed response items (CRI)
  - Identifies scores based upon quality of responses

## Test Development Process

- **Conduct Program Planning**
- **Establish Advisory Committees**
- **Develop Test Framework**
- **Conduct Test Framework Review**
- **Conduct Content Validation Survey**
- **Develop Assessment Items**
- **Conduct Item Review Conference**
- **Marker Response Selection Meeting (CRI)**
- **Conduct Item Validation and Standard Settings**

## Total Number of Participants

### Missouri Content Assessments Development Activities & Level of Participation June 2, 2015

Activity	PK-12	EPPs	Total
Bias Review Committee	55	25	80
On-Line Framework Review	208	97	305
Item Validation & Standard Setting	248	122	370
Marker Response Selection Committee	9	14	23
<b>Total Participation</b>	<b>520</b>	<b>258</b>	<b>778</b>

## Validation of Items Includes:

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- **Competency Match**
- **Accuracy of Information**
- **Free from Bias**
- **Job-Relatedness & Relevance**

## **Setting Standards on a Criterion-Referenced Test**

- **Performance level expected of a new teacher entering a classroom in Missouri**
- **Performance is compared to the criterion**
- **Examinees are not compared to other examinees, as in norm-referenced tests**



## **Setting Standards on a Criterion-Referenced Test**

- **Standard setting process**
  - **Defining the expected performance of a new teacher entering a classroom in Missouri**
  - **Computing an expected total test score for each subtest**
- **Standard setting procedure referred to as the “modified Angoff method”**
- **Industry standard method used for many professions – education, law, medicine, etc.**

## Expected Performance Judgments

**Standard setting panelists estimated the expected performance of “individuals who are just at the level of knowledge and skills required to perform effectively in this field in Missouri schools.”**

**The panelists represented PK-12 schools, arts & sciences, and educator preparation faculty.**

## Considerations for Standard Setting

- **Statistical Measurement Issues**
- **Two types of measurement error**
  - **False Positive: Examinee passes who should fail**
  - **False Negative: Examinee fails who should pass**
- **Striking a proper balance**

## Considerations for Standard Setting

- **Consequences of False Positives**
  - **Candidate admitted who may perform poorly in the classroom**
  - **But candidate still must meet numerous other criteria – program requirements, advisor evaluations, other assessments, job interviews, etc.**

## Considerations for Standard Setting

- **Consequences of False Negatives**
  - **May exclude talented candidates with potential to succeed**
  - **But failing candidates can retake test, which is not required of false positives**

## Considerations for Standard Setting

- **Adjust cutscores by using the Standard Error of Measurement (SEM)**
- **Accepted method of taking inherent measurement error and other considerations into account**
- **Raise panel-based cutscores by 1 or 2 SEMs to minimize false positives**
- **Lower panel-based cutscores by 1 or 2 SEMs to minimize false negatives**

## Operational Results: Overview 2014-2015

- **Data from candidates who tested from September 2, 2014 through April 12, 2015**
- **Number of Tests Administered: 7,118**
- **Of the 56 certification assessments, 37 had  $N \geq 30$ .**
- **Analyses include first & best attempts only**
- **First & best attempts from Praxis II tests from 2013-2014.**

## Operational Results: Considerations

- **Candidate preparation may improve in the future**
- **Initial sample of candidates is typical of future populations**
- **Results will improve when “Best Attempt” analyses can supplement “First Attempt” results**
- **Change is relative, difficult, and improvement occurs over time.**

## Operational Results: Considerations

- **Why First & Best Attempt?**
- **The best attempt column shows the cumulative pass rate for all examinees, taking into account all of their attempts. It is the best indication of what percentage of candidates have passed, whether they did so on their first try or after multiple attempts.**
- **As time goes on, people who fail will retest and possibly go from fail status to passing status.**

## Types & Timing of Assessments

- **Types of Assessments**
  - **50 – Assessments with Multiple Choice Items**
  - **6 – Assessments with Multiple Choice Items and Constructed Response Items**
- **Timing of Assessments & Item Analysis**
  - **“Power Tests”**
  - **Timing by Industry Standards**
  - **Most Assessments = 2 Hours**
  - **More Time = Mathematics, Chemistry, Physics**

## Requested Information @ Registration

- **Gender – Male or Female**
- **Race**
  - **American Indian/Alaskan Native**
  - **Asian**
  - **Black/African-American (Not of Hispanic Origin)**
  - **Hispanic or Latino**
  - **Multi-Racial**
  - **Native Hawaiian/Pacific Islander**
  - **Other or Unknown**
  - **White (Not of Hispanic Origin)**

**Reports Generated  
@ N  $\geq$  30**

## Next Steps

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- **Department gathers input MABEP & MACCE**
- **Department considers input from impact data, panels, MABEP, & MACCE to establish recommendations**
- **State Board of Education establishes the Missouri Qualifying Score for each assessment – June 16, 2015.**
- **Missouri Qualifying Scores effective for 2015-2016**
- **Continue to review test results throughout 2015-2016**
- **Revisit Results with State Board – Summer 2016**

## Today's Discussion

- **Consider performance of candidates who have tested so far (for tests with a sufficient number of examinees).**
- **Present each assessment and pertinent data**
- **Discuss results**



# Getting to Work

- **Assessments Grouped By Certifications**
- **Review Each Assessment @ Panel Based Score**
- **Information Presented Includes:**
  - **Number Tested**
  - **Raw Score/Number of scorable Items**
  - **1<sup>st</sup> & Best Attempts**
    - **Missouri Content Assessments – 2014-2015**
    - **Praxis II Content Assessments – 2013-2014**
  - **Additional Pertinent Information (When Available)**

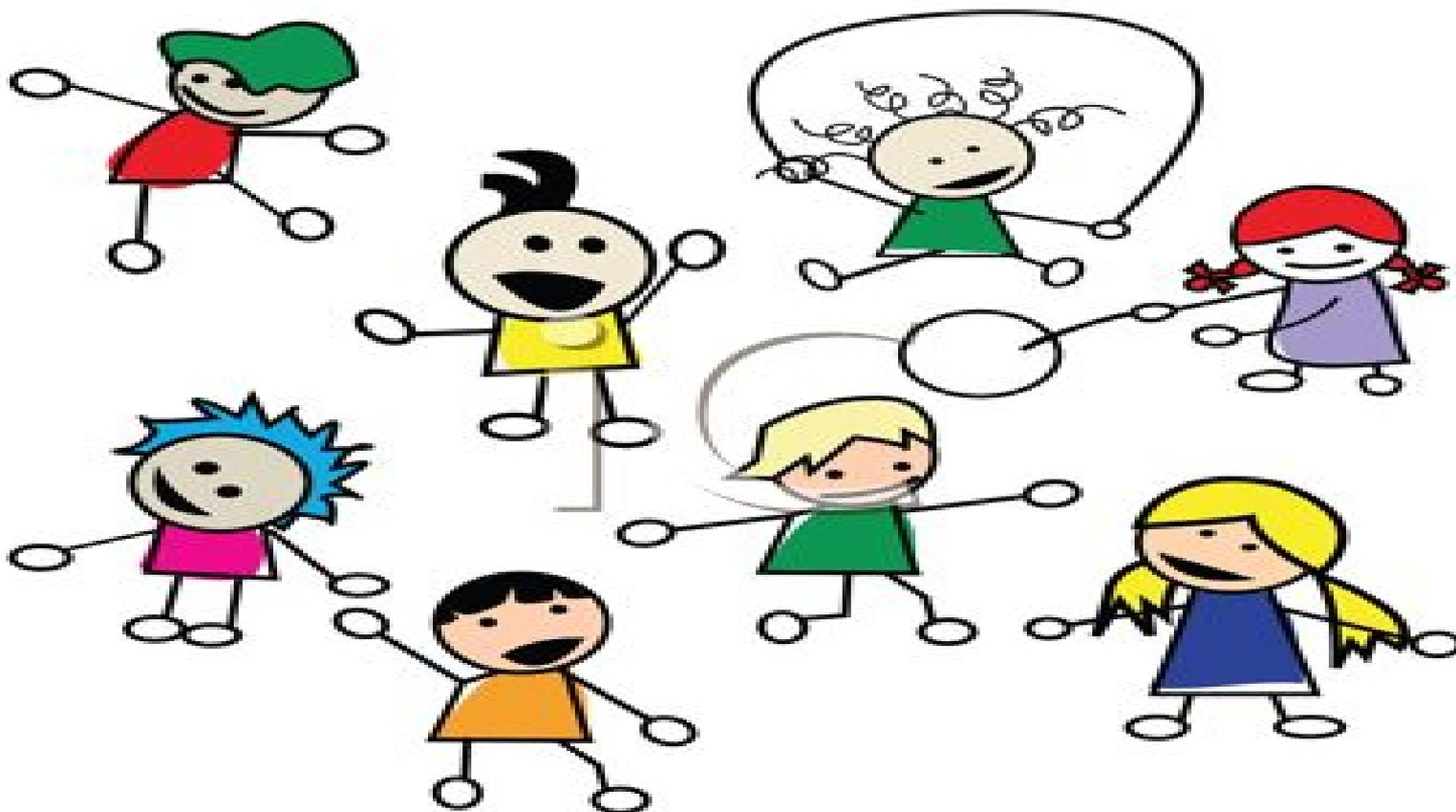
## Additional Resources

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- **Pearson Data Sets – First & Best Attempt**
  - **Interpretative Notes**
  - **Complete Data Set**
  - **Results for Multi-Content Assessments**
- **Demographics –  $N \geq 30$  – First & Best Attempts**
- **Discuss with Each Assessment**

# Early Childhood & Elementary Education

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## Early Childhood Education (064)

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- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 56/80**
- **Number Tested: 306**
- **First & Best Attempts by Individual Candidates:**
  - **Pearson: 85%                      89%**
  - **Praxis II: 93.9%                      95.1%**
- **Additional Pertinent Information**

## Elementary Education: English/Language Arts (007)

- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 20/32**
- **Number Tested: 716**
- **First & Best Attempts by Individual Candidates:**
  - **Pearson: 67%                      73%**
  - **Praxis II: New Test**
- **Additional Pertinent Information:**
  - **One of Four Subtests**



## Elementary Education: Mathematics (008)

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- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 19/32**
- **Number Tested: 706**
- **First & Best Attempts by Individual Candidates:**
  - **Pearson: 70%            77%**
  - **Praxis II: New Test**
- **Additional Pertinent Information**
  - **One of Four Subtests**



## Elementary Education: Science (009)

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- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 19/32**
- **Number Tested: 704**
- **First & Best Attempts by Individual Candidates:**
  - **Pearson: 63%                  69%**
  - **Praxis II: New Test**
- **Additional Pertinent Information**
  - **One of Four Subtests**



## Elementary Education: Social Studies (010)

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- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 19/32**
- **Number Tested: 706**
- **First & Best by Individual Candidates:**
  - **Pearson: 60%                  66%**
  - **Praxis II: New Test**
- **Additional Pertinent Information:**
  - **One of Four Subtests**

## Pass Rates by Reporting Groups

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- **Elementary Education: All Four Subtests**
  - **First Attempt – 696**
    - All 40% (279)
    - Black/African American 6% (42)
    - White 42% (293)
  - **Best Attempt – 696**
    - All 51% (355)
    - Black/African American 20% (140)
    - White 52% (362)

## Elementary Education: All Four Subtests

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- **Missouri Qualifying Score: 220**
- **First Attempt**
  - **Number Taking All Subtests – 696**
  - **Pass Rate at Panel Based Score – 40% (279)**
- **Best Attempt**
  - **Number Taking All Subtests – 696**
  - **Pass Rate at Panel Based Score – 51% (267)**

## Middle School Education

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## Language Arts (011)

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- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 52/80**
- **Number Tested: 184**
- **First & Best by Individual Candidates:**
  - **Pearson: 75%                      78%**
  - **Praxis II: 86.1%                      88.2%**
- **Additional Pertinent Information**



*\*Mathematics (008)*

- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 49/80**
- **Number Tested: 215**
- **First & Best by Individual Candidates:**
  - **Pearson: 38%                      45%**
  - **Praxis II: 77.0%                      100%**
- **Additional Pertinent Information**
  - **Shortage Area**

*\*Science (013)*

- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 46/80**
- **Number Tested: 145**
- **First & Best by Individual Candidates:**
  - **Pearson: 43%                      52%**
  - **Praxis II: 76.8%                      Not Available**
- **Additional Pertinent Information**
  - **Shortage Area**

## Social Science (014)

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- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 49/80**
- **Number Tested: 133**
- **First & Best by Individual Candidates:**
  - **Pearson: 48%                      56%**
  - **Praxis II: 81.9%                      84.3%**
- **Additional Pertinent Information**

## Secondary School



## Agriculture (015)

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- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 44/80**
- **Number Tested: 28**
- **First & Best by Individual Candidates:**
  - **Pearson: 96%                      96%**
  - **Praxis II: 71.8%                      Not Available**
- **Additional Pertinent Information**



*\*Biology (016)*

- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 53/80**
- **Number Tested: 66**
- **First & Best by Individual Candidates:**
  - **Pearson: 45%                      55%**
  - **Praxis II: 76.8%                      79.9%**
- **Additional Pertinent Information**
  - **Shortage Area**

## Business (017)

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- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 52/80**
- **Number Tested: 42**
- **First & Best by Individual Candidates:**
  - **Pearson: 67%                      71%**
  - **Praxis II: 91.7%                      97.6%**
- **Additional Pertinent Information**



\* *Chemistry (018)*

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- **Missouri Qualifying Score: 220**
  - **PBS – Raw Score/scorable Items: 48/80**
  - **Number Tested: 25**
  - **First & Best by Individual Candidates:**
    - **Pearson: 40%                      52%**
    - **Praxis II: 54.5%                      65.1%**
  - **Additional Pertinent Information**
    - **Shortage Area**

## Earth Science (019)

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- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 48/80**
- **Number Tested: 5**
- **First & Best by Individual Candidates:**
  - **Pearson: Low Cell Size**
  - **Praxis II: 92.6%      89.6%**
- **Additional Pertinent Information**
  - **Shortage Area**

## English (020)

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- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 52/80**
- **Number Tested: 166**
- **First & Best by Individual Candidates:**
  - **Pearson: 65%                      68%**
  - **Praxis II: 88.7%                      91.9%**
- **Additional Pertinent Information**



## Family & Consumer Sciences (038)

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- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 53/80**
- **Number Tested: 40**
- **First & Best by Individual Candidates:**
  - **Pearson: 83%                      90%**
  - **Praxis II: 71.1%                      77.2%**
- **Additional Pertinent Information**



\* *General Science (021)*

- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 43/80**
- **Number Tested: 23**
- **First & Best by Individual Candidates:**
  - **Pearson: 43%                      52%**
  - **Praxis II: 52.3%                      59.1%**
- **Additional Pertinent Information**
  - **Shortage Area**

## Marketing (022)

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- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 48/80**
- **Number Tested: 18**
- **First & Best by Individual Candidates:**
  - **Pearson: 83%                      89%**
  - **Praxis II: 71.7%                      77.2%**
- **Additional Pertinent Information**



## *\*Mathematics (023)*

- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 54/80**
- **Number Tested: 99**
- **First & Best by Individual Candidates:**
  - **Pearson: 14%                      19%**
  - **Praxis II: 71.8%                      72.9%**
- **Additional Pertinent Information**
  - **Shortage Area**



*\*Physics (024)*

- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 57/80**
- **Number Tested: 12**
- **First & Best by Individual Candidates:**
  - **Pearson: 25%                      25%**
  - **Praxis II: 60.0%                      66.7%**
- **Additional Pertinent Information**
  - **Shortage Area**

## Social Science: Behavioral Science (030)

- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 18/32**
- **Number Tested: 104**
- **First & Best by Individual Candidates:**
  - **Pearson: 58%                  65%**
  - **Praxis II: New Test**
- **Additional Pertinent Information**
  - **One of Six Subtests**

## Social Science: Economics (027)

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- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 18/32**
- **Number Tested: 106**
- **First & Best by Individual Candidates:**
  - **Pearson: 58%                  62%**
  - **Praxis II: New Test**
- **Additional Pertinent Information**
  - **One of Six Subtests**

## Social Science: Geography (028)

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- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 20/32**
- **Number Tested: 107**
- **First & Best by Individual Candidates:**
  - **Pearson: 64%                  66%**
  - **Praxis II: New Test**
- **Additional Pertinent Information**
  - **One of Six Subtests**

## Social Science: Political Science (029)

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- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 20/32**
- **Number Tested: 107**
- **First & Best by Individual Candidates:**
  - **Pearson: 43%                      47%**
  - **Praxis II: New Test**
- **Additional Pertinent Information**
  - **One of Six Subtests**

## Social Science: U.S. History (025)

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- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 20/32**
- **Number Tested: 112**
- **First & Best by Individual Candidates:**
  - **Pearson: 45%                      48%**
  - **Praxis II: New Test**
- **Additional Pertinent Information**
  - **One of Six Subtests**

## Social Science: World History (026)

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- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 20/32**
- **Number Tested: 109**
- **First & Best by Individual Candidates:**
  - **Pearson: 50%            51%**
  - **Praxis II: New Test**
- **Additional Pertinent Information**
  - **One of Six Subtests**

## Social Science: All Six Subtests

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- **Missouri Qualifying Score: 220**
- **First Attempt**
  - **Number Taking All Subtests – 102**
  - **Pass Rate at Panel Based Score – 25% (26)**
- **Best Attempt**
  - **Number Taking All Subtests – 102**
  - **Pass Rate at Panel Based Score – 30% (31)**

## Speech & Theatre (031)

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- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 51/80**
- **Number Tested: 23**
- **First & Best by Individual Candidates:**
  - **Pearson: 70%                      78%**
  - **Praxis II: 97.7%                      96.0%**
- **Additional Pertinent Information**

## Technology & Engineering (046)

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- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 54/80**
- **Number Tested: 3**
- **First & Best by Individual Candidates:**
  - **Pearson: Low N**
  - **Praxis II: 100.0%      89.3%**
- **Additional Pertinent Information**

*Unified Science: \*Biology (032)*

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- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 19/32**
- **Number Tested: 9**
- **First & Best by Individual Candidates:**
  - **Pearson: 56%                      57%**
  - **Praxis II: New Test**
- **Additional Pertinent Information**
  - **Shortage Area**
  - **One of Three Subtests + 1 Full Assessment**

*Unified Science: \*Chemistry (033)*

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- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 19/32**
- **Number Tested: 11**
- **First & Best by Individual Candidates:**
  - **Pearson: 0%                      18%**
  - **Praxis II: New Test**
- **Additional Pertinent Information**
  - **Shortage Area**
  - **One of Three Subtests + 1 Full Assessment**

## *Unified Science: \*Earth Science (034)*

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- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 21/32**
- **Number Tested: 6**
- **First & Best by Individual Candidates:**
  - **Pearson: 50%                  67%**
  - **Praxis II: New Test**
- **Additional Pertinent Information**
  - **Shortage Area**
  - **One of Three Subtests + 1 Full Assessment**

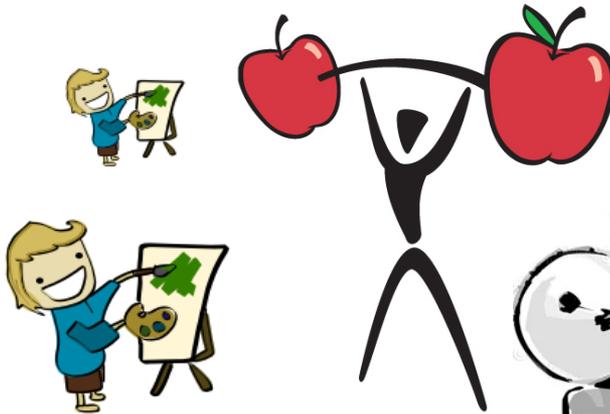
*Unified Science: \*Physics (035)*

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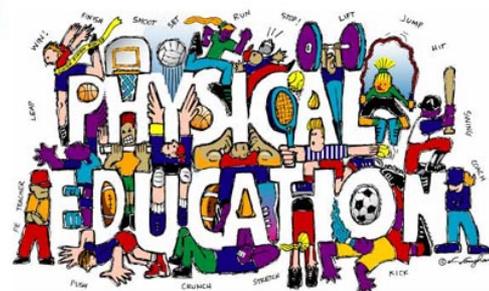
- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 21/32**
- **Number Tested: 5**
- **First & Best by Individual Candidates:**
  - **Pearson: Low N**
  - **Praxis II: New Test**
- **Additional Pertinent Information**
  - **Shortage Area**
  - **One of Three Subtests + 1 Full Assessment**



## K-12 Education



Jesstalks.wordpress.com  
26 September 2009



## Art (036)

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- **Missouri Qualifying Score: 220**
  - **PBS – Raw Score/scorable Items: 53/80**
  - **Number Tested: 107**
  - **First & Best by Individual Candidates:**
    - **Pearson: 66%                      70%**
    - **Praxis II: 61.2%                      72.3%**
  - **Additional Pertinent Information**

## Health (041)

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- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 54/80**
- **Number Tested: 69**
- **First & Best by Individual Candidates:**
  - **Pearson: 77%                      78%**
  - **Praxis II: 78.1%                      86.0%**
- **Additional Pertinent Information**



## Library Media Specialist (042)

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- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 59/80**
- **Number Tested: 92**
- **First & Best by Individual Candidates:**
  - **Pearson: 78%                      83%**
  - **Praxis II: 64.9%                      70.5%**
- **Additional Pertinent Information**

## Music – Instrumental & Vocal (043)

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- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 48/80**
- **Number Tested: 148**
- **First & Best by Individual Candidates:**
  - **Pearson: 76%                      82%**
  - **Praxis II: 52.0%                      68.5%**
- **Additional Pertinent Information**



## Physical Education (044)

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- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 52/80**
- **Number Tested: 176**
- **First & Best by Individual Candidates:**
  - **Pearson: 64%                      72%**
  - **Praxis II: 74.2%                      81.3%**
- **Additional Pertinent Information**

## World Language: Chinese (037)

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- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 53/64**
- **Number Tested: 2**
- **First & Best by Individual Candidates:**
  - **Pearson: Low N**
  - **Praxis II: Low N**
- **Additional Pertinent Information**

*World Language: \*French (039)*

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- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 44/64**
- **Number Tested: 18**
- **First & Best by Individual Candidates:**
  - **Pearson: 50%                      56%**
  - **Praxis II: 54.2%                      62.1%**
- **Additional Pertinent Information**
  - **Shortage Area**

## World Language: German (040)

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- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 44/64**
- **Number Tested: 4**
- **First & Best by Individual Candidates:**
  - **Pearson: Low N**
  - **Praxis II: 62.5%          62.5%**
- **Additional Pertinent Information**

*World Language: \* Spanish (045)*

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- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 36/64**
- **Number Tested: 18**
- **First & Best by Individual Candidates:**
  - **Pearson: 60%                      65%**
  - **Praxis II: 57.6%                      56.6%**
- **Additional Pertinent Information**
  - **Shortage Area**

## Special Education





## Blind & Low Vision (047)

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- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 54/80**
- **Number Tested: 4**
- **First & Best by Individual Candidates:**
  - **Pearson: Low N**
  - **Praxis II: 62.5%            76.5%**
- **Additional Pertinent Information**

## Deaf & Hard of Hearing (048)

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- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 53/80**
- **Number Tested: 15**
- **First & Best by Individual Candidates:**
  - **Pearson: 87%                      93%**
  - **Praxis II: NA                      88.5%**
- **Additional Pertinent Information**

## Early Childhood Special Education (049)

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- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 56/80**
- **Number Tested: 119**
- **First & Best by Individual Candidates:**
  - **Pearson: 78%                      82%**
  - **Praxis II: 74.9%                      76.9%**
- **Additional Pertinent Information**

## Severely Developmentally Disabled (051)

- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 53/80**
- **Number Tested: 8**
- **First & Best by Individual Candidates:**
  - **Pearson: 75%                      75%**
  - **Praxis II: 88.9%                      88.9%**
- **Additional Pertinent Information**



*\*Mild-Moderate Cross-Categorical (050)*

- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 54/80**
- **Number Tested: 351**
- **First & Best by Individual Candidates:**
  - **Pearson: 77%                      80%**
  - **Praxis II: 80%                      90.4%**
- **Additional Pertinent Information**
  - **Shortage Area**



*MM Multi-Content – \*English/Language Arts (052)*

- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 20/32**
- **Number Tested: 53**
- **First & Best by Individual Candidates:**
  - **Pearson: 75%                      79%**
  - **Praxis II: New Test**
- **Additional Pertinent Information**
  - **Shortage Area**
  - **One Part of Four Subtests**



## *MM Multi-Content – \* Mathematics (053)*

- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 20/32**
- **Number Tested: 52**
- **First & Best by Individual Candidates:**
  - **Pearson: 44%                      50%**
  - **Praxis II: New Test**
- **Additional Pertinent Information**
  - **Shortage Area**
  - **One Part of Four Subtests**

## *MM Multi-Content – \*Science (054)*

- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 19/32**
- **Number Tested: 49**
- **First & Best by Individual Candidates:**
  - **Pearson: 57%                  61%**
  - **Praxis II: New Test**
- **Additional Pertinent Information**
  - **Shortage Area**
  - **One Part of Four Subtests**



## *MM Multi-Content – \*Social Science (055)*

- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 21/32**
- **Number Tested: 51**
- **First & Best by Individual Candidates:**
  - **Pearson: 71%                      73%**
  - **Praxis II: New Test**
- **Additional Pertinent Information**
  - **Shortage Area**
  - **One Part of Four Subtests**

## Mild-Moderate Multi-Content: All Four Subtests

- **Missouri Qualifying Score: 220**
- **First Attempt**
  - **Number Taking All Subtests – 49**
  - **Pass Rate at Panel Based Score – 31% (16)**
- **Best Attempt**
  - **Number Taking All Subtests – 49**
  - **Pass Rate at Panel Based Score – 41% (20)**

## Student Services

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## Counselor (056)

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- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 56/80**
- **Number Tested: 168**
- **First & Best by Individual Candidates:**
  - **Pearson: 70%                      73%**
  - **Praxis II: 72.6%                      79.6%**
- **Additional Pertinent Information**

## Pass Rates by Reporting Groups

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- **Counselor**
  - **First Attempt – 168**
    - All 70% (118)
    - Black/African American 24% (41)
    - White 82% (138)
  - **Best Attempt – 168**
    - All 73% (123)
    - Black/African American 30% (51)
    - White 84% (142)

## School Administration

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## Building Level Administrator (058)

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- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 42/64**
- **Number Tested: 303**
- **First & Best by Individual Candidates:**
  - **Pearson: 49%                      52%**
  - **Praxis II: 92.4%                      93.2%**
- **Additional Pertinent Information**

## Pass Rates by Reporting Groups

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- **Building Level Administrator**
  - **First Attempt – 303**
    - All 49% (149)
    - Black/African American 26% (79)
    - White 53% (161)
  - **Best Attempt – 303**
    - All 52% (158)
    - Black/African American 26% (79)
    - White 57% (173)

## Superintendent (059)

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- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 40/64**
- **Number Tested: 93**
- **First & Best by Individual Candidates:**
  - **Pearson: 67%                      70%**
  - **Praxis II: 91.6%                      NA**
- **Additional Pertinent Information**



## Professional Knowledge: Middle School (062)

- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 49/80**
- **Number Tested: 80**
- **First & Best by Individual Candidates:**
  - **Pearson: 98%                      98%**
  - **Praxis II: 85.3%                      86.1%**
- **Additional Pertinent Information**
  - **Temporary Authorization Certification (TAC)**

## Professional Knowledge: Secondary (063)

- **Missouri Qualifying Score: 220**
- **PBS – Raw Score/scorable Items: 51/80**
- **Number Tested: 55**
- **First & Best by Individual Candidates:**
  - **Pearson: 76%                      80%**
  - **Praxis II: 81.7%                      80.1%**
- **Additional Pertinent Information**
  - **Temporary Authorization Certification (TAC)**

## Next Steps

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- **MACCE Meeting – June 5 @ 10:00 AM**
- **DESE Develops Final Recommendation**
- **DESE-OEQ Webinar – June 9 @ 9:00 AM**
- **SBE Meeting – June 15/16 @ TBA**
- **DESE-OEQ Webinar – June 23 @ 9:00 AM**

# Next Meetings – Web-Based

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- **MACCE**
  - **Wednesday – August 19 @ 4:30 PM**
- **MABEP**
  - **Thursday – August 20 @ 4:00 PM**
- **Agenda Items**
  - **Review Standard Setting Results for the Following Assessments**
    - **Elementary Mathematics Specialist**
    - **School Psychologist**



Thanks!



# Contact Us – Office of Educator Quality

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