Diversity and Multiculturalism in Education

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Quantitative Literacy Value Rubric

QL Rubric
- Interpretation
- Representation
- Calculation
- Application/Analysis
- Assumptions
- Communications

Diversity & Multiculturalism
- DESE School/District Profiles
- School/District Improvement Plans
- Compliance of Accommodation Services
- Action Plans, District Reviews
- District Analysis, Review
Interpretation

- Explain trend data shown in graphs and make reasonable predictions regarding what the data suggest about future events

- The Condition of Education 2012
  - Indicator 6 Racial/Ethnic enrollment in public schools
  - Indicator 7 Family Characteristics

- DESE School district Accountability 2012
  - Andover, North Andover
  - Haverhill
  - Lawrence
  - Methuen
  - Pentucket Regional (Groveland, Merrimac, West Newbury)
Interpretation

- Explain trend data shown in graphs and make reasonable predictions regarding what the data suggest about future events
- Global Awareness

- The Condition of Education 2012
  - Indicator 23 Reading Performance
  - Indicator 24 Mathematics Performance
  - Indicator 25 History, Geography, Civics Performance
  - Indicator 26 International Reading, Math, Science Proficiency
Representation

- Converts information into an insightful mathematical portrayal that contributes to a deeper understanding
- Demographic information (median household income, household/family size, racial make-up)
- Development of possible trends
- Development of possible challenges for schools
Calculation

- Clear and concise attempts to solve problems
- Accuracy of data source
- Budget projections
- Title I School Improvement Plans
- Charter School application
- Innovative School Planning
Application/Analysis

- Qualitative analysis data used to base judgments, draw conclusions

- The Condition of Education 2012
  - Indicator 12 Characteristics of Elementary/Secondary Schools
  - Indicator 13 Eligibility for Free/Reduced Lunch
  - Indicator 14 School Crime and Safety

- District and School Improvement Plans
Assumptions

• Ability to make and evaluate important assumptions in estimation, modeling and data analysis

• Global Awareness

• The Condition of Education 2012

• Indicator 17 / 18 Characteristics of Teachers/Administrators

• Indicator 19 Public School Revenues

• Indicator 20 Public School Expenditures

• Indicator 21 Variations in Instruction Expenditures

• Indicator 22 Education Expenditures by country
Communication

• Expression of quantitative evidence in effective format
• Small Group written/oral presentation to simulate School Staff
  • Individual written Responses
  • Final Projects
“…Education, then, beyond all other devices of human origin, is the great equalizer of the conditions of men – the balance wheel of the social machinery…it prevents being poor.”

Horace Mann (1796-1859)