

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.”

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Horace Mann (1796-1859)