



Public Schools of North Carolina

# The Relationship Between Poverty and Educational Outcomes

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# Painting the Picture

- Student Achievement
- Graduation Rate
- Examination of Charlotte/Mecklenburg School System Data
- Relationship Between SAT and Income



**Math – Grades 3-8**  
**2006/07 and 2007/08**

Economically Disadvantaged  
48.5% 33.3%

Not Economically Disadvantaged  
77.2% 66.9%



# End of Course Tests

Economically Disadvantaged

53.6%

Not Economically Disadvantaged

76.0%



# Four-Year Cohort Graduation Rate

Economically Disadvantaged

59.2%

All Students

70.3%



# Five-Year Cohort Graduation Rate

Economically Disadvantaged

70.2%

All Students

71.8%

Observation?



# CMS Data

Elementary Schools Ranked by Math Scores

High Schools Ranked by Algebra I Scores



# SAT Performance and Family Income

## SAT Scores 2002 from the College Board

### Family Income Verbal/Math Scores

Less than \$10,000/year	-----	417/442
\$10,000 - \$20,000/year	-----	435/453
\$20,000 - \$30,000/year	-----	461/470
\$30,000 - \$40,000/year	-----	480/485
\$40,000 - \$50,000/year	-----	496/501
\$50,000 - \$60,000/year	-----	505/509
\$60,000 - \$70,000/year	-----	511/516
\$70,000 - \$80,000/year	-----	517/524
\$80,000 - \$100,000/year	-----	530/538
More than \$100,000/year	---	555/568



# Factors Impacted by Poverty

- Discretionary Time
- Educational Attainment of Parents – Value of Education
- Time Spent with Television/Gaming
- Literacy Level of Parents – Time Spent Reading
- Mistrust of School
- Goal Setting/Seeing Possibilities



# Promising Interventions

- One Course of Study - Options
- Learn and Earn Early Colleges
- Redesign Schools
- Career Technical Programs
- Drop Out Prevention and Recovery Programs
- Evening School
- NC Virtual Public School



# Creating Equity

- Disadvantaged Student Supplemental Funding – State
- Low Wealth – State
- Title 1 - Federal Disadvantaged Students
- Title 2 – Federal Teacher Quality
- Title 3 – Federal English Second Language
- Migrant – Federal
- Homeless – Federal  
(among other funding)



# Recommendations

- Permanently fund District and School Improvement.
- Expand partnership programs between High Schools and Community Colleges.
- Continue to explore and implement customized options for students.
- Seek ways to fully engage students in learning, such as technology infusion K-12.
- Commit resources to ensure appropriate **TIME** for students.

