

MCP
Mathematics Coaching Program



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<http://mcp-coaching.osu.edu>

Your data at work

- Uses the student database
 - Pre- and Post-test data
- This information comes from 2006-07AY
- Eleven schools chosen
 - 4th graders
 - 10 students chosen at random from each school
 - 13 had to be dropped due to lack of data (some pre-test, some post-test)

Participants

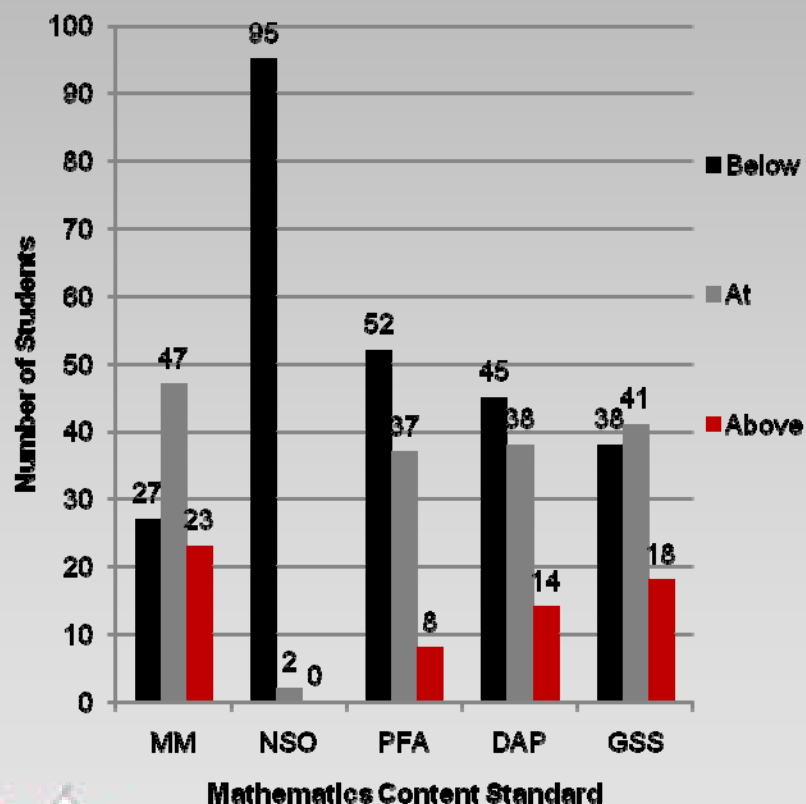
- Ninety-three fourth graders
- Gender breakdown
 - 47 male, 50 female
- Ethnicity breakdown
 - 66 African-American or Hispanic, 31 Caucasian
- Economic breakdown*
 - 81 on free/reduced lunch, 16 not

What did I find?

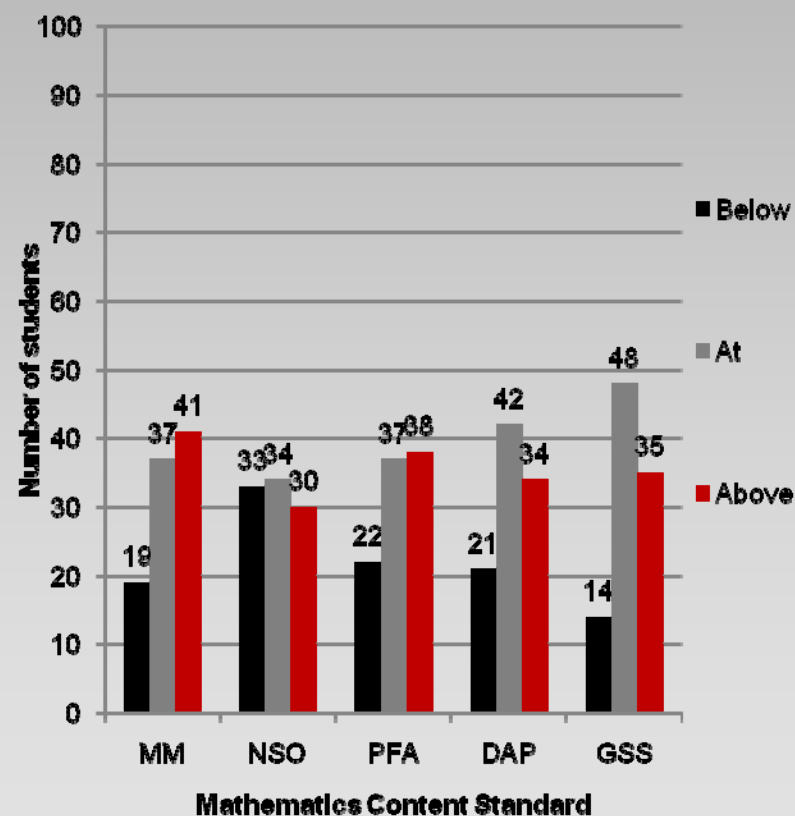
- Two-way interactions:
 - Between trial and school ($p = 0.039$)
 - Between trial and ethnicity* ($p = 0.051$)
- Other interactions:
 - Between trial, school, and DAP ($p = 0.005$)
 - Two schools had significant increases in DAP
 - Between trial, ethnicity, and NSO ($p = 0.008$)
 - Both Caucasian and minority students made significant gains in NSO

Just show me how they did already

Number of students below, at or above standard (Pre-Test)



Number of students below, at or above standard (Post-Test)





So, what does it mean?



NEWARK

Significant improvement in every mathematical content area



The Ohio State University
Mathematics Coaching Program



Your data is important

- Student level data helps us run analyses such as this
- Getting pre- and post-test data is important
- Having individual items would be greatly appreciated!