

AVON GROVE SCHOOL DISTRICT
Mathematics Curriculum Review
2006-2007

FINAL REPORT



Mathematics Task Force
Board of Education Meeting
April 26, 2007



Objectives of Mathematics Curriculum Review

- **To ensure that there is alignment among the written, taught, and tested curriculum**
- **To ensure that the District Mathematics Program is of high rigor and prepares students to be competitive in college and postsecondary experiences**



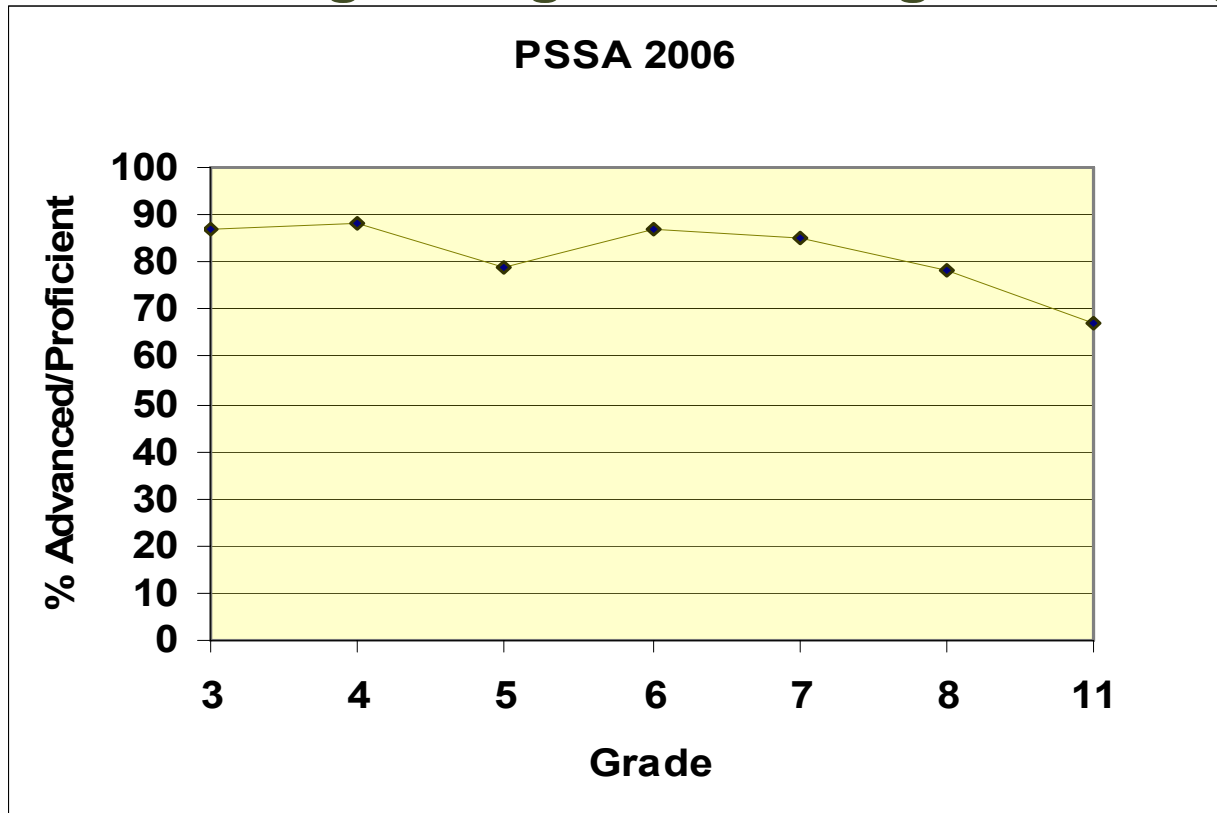
Mathematics Curriculum Review Project Plan

- **Phase I - Academic Achievement**
- **Phase II –Instructional Practices & Programs**
- **Phase III – Student/Parent Perspectives**



Finding #1:

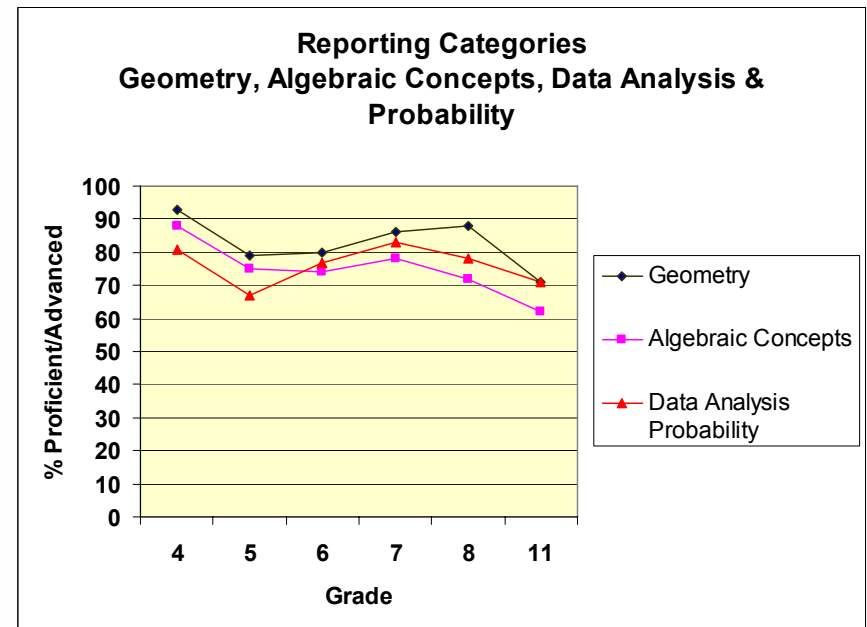
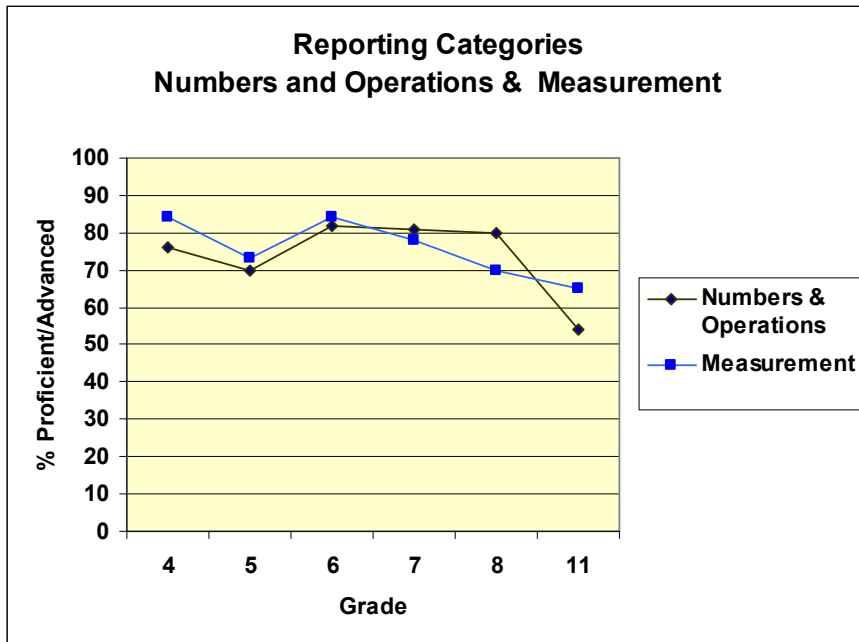
A decline in student mathematics performance occurs as students move through the grades from grade 3 to grade 11.





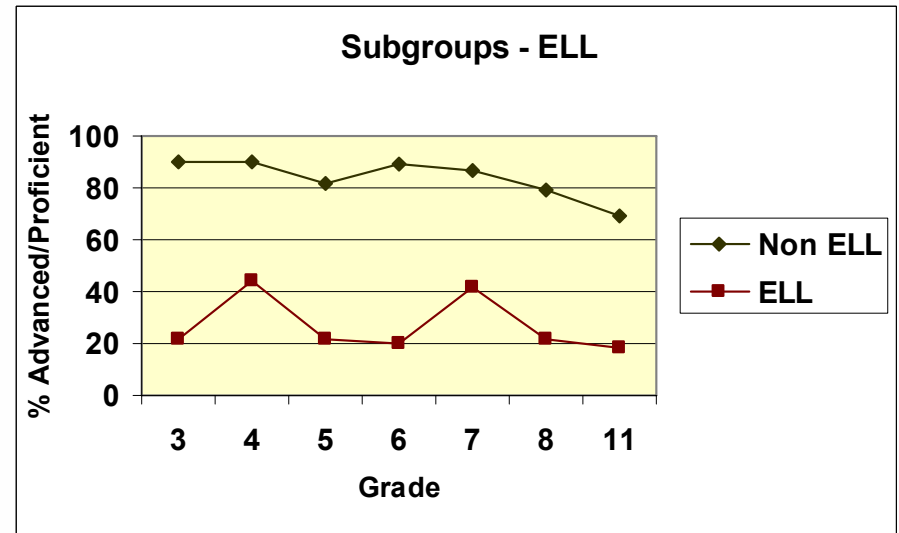
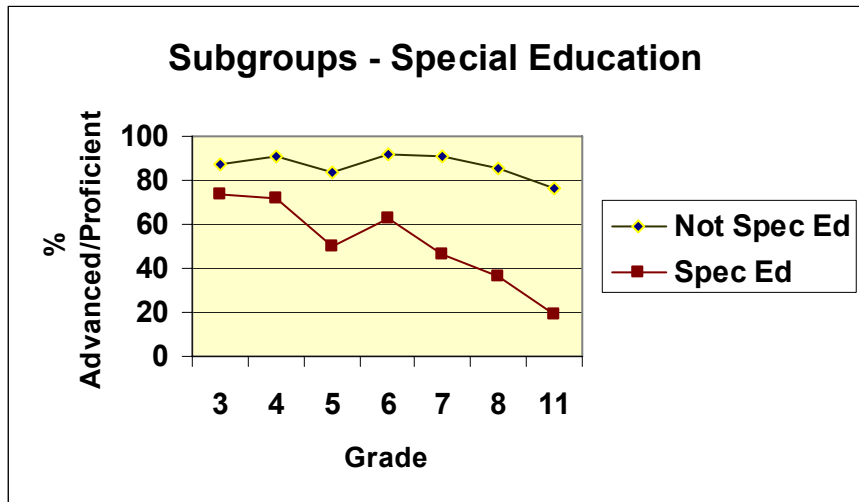
Finding #2:

Variance exists across the grade levels regarding student performance in the various reporting categories.





Finding #3: Students in the subgroups are not performing well in the area of mathematics.





Explanations/Root Causes for Weaknesses in Student Performance

- Curriculum-Related
- Assessed Curriculum
- Taught Curriculum
- Learning-Related
- Individual Student Differences



School Site Recommendations

1. Revise Planned Course Outlines across all grade levels and courses
2. Revise/develop Pacing Guides across all grades and courses
3. Develop/implement a school-wide professional development plan
4. Revise/develop common assessments



School Site Recommendations (cont'd)

5. Examine and select new textbooks/supplementary materials where needed at the secondary level
6. Eliminate grade 8 General Mathematics and Intro to Pre-Algebra courses and replace with a Basic Pre-Algebra course
7. Develop/implement support programs for students performing below grade level



District-wide Recommendation #1

Ensure that effective standards-aligned instruction occurs in every mathematics class by developing a multi-year professional development program that ensures that instruction in all classrooms is standards-aligned and effective.



District-wide Recommendation #2

Provide a system of supplementary educational interventions for students needing additional instruction and supports beyond the regular mathematics program.



District-wide Recommendation #3

Address more effectively the needs of the ELL students.



District-wide Recommendation #4

Increase the number of students who graduate with the mathematical knowledge and skills that they will need to be successful in demanding postsecondary educational programs and careers.