

Geometry The School District Of Palm Beach County

The purpose of this study was to investigate (a) the role of a yearlong geometry course on high school geometry students' logical thinking and proof construction abilities, (b) the linkage between students' logical thinking and proof construction abilities, and (c) the impact of dynamic geometry software on students' performance. In addition, this study also ventured to determine if the type of geometry course had any impact on students' logical thinking and proof construction achievement. The sample for the study consisted of 1,325 high school geometry students enrolled in regular, honors, and mastery courses in four high schools from the school district affiliated with the Local Education Agency (LEA) during the academic year 2004-2005. Geometer's Sketchpad[trade mark sign] (GSP) was assumed to represent the dynamic geometry software. Responses of students on two pre-tests and two post-tests, each with one on logical thinking and one on proof, were analyzed to address the research questions. Results of the analyses indicated no significant effect of the yearlong geometry course

on the performance of students on proof tests but a fairly significant effect on the tests of logical thinking. Use of GSP was found to have some impact on honors and mastery students' performance on proof post-tests. Honors students showed a higher logical thinking level than their regular and mastery counterparts in both GSP and non-GSP groups. There was a significant positive correlation between students' performance on the tests of logical thinking and proof.

Improving Educational Opportunities for Students

A Planning Guide for Curriculum

Geometry

Informal Geometry I, Geometry I, Honors Geometry I.

Geometry Honors Guidelines

Geometry Teacher's Guide Principles of Geometry School District Reorganization in Illinois Improving Educational Opportunities for Students A Curriculum Guide for Teachers of High School Geometry Guide to Solid Geometry Geometry 1,2,3 Teachers Guide Geometry Geometry Student's Texts The Results of a Study of Whether the La Crosse School District Should Go to a Transformational Approach in Geometry Geometry C School District Organization in Illinois Secondary Curriculum Guide for Plane Geometry 1-2 Plane and Solid Geometry (enriched) School Building Survey, St. Louis Park School District Geometry Geometry Honors Guidelines Computer Units in Algebra and

Geometry Curriculum Guide
Geometry Informal Geometry I, Geometry I, Honors Geometry I.
Geometry for Grade 9
Solid Geometry, Grade Eleven-A. (Tentative Course).
Geometry is a Design
Annual Statistical Report. School District Number 1
Student Performance as Aligned to Teacher Perception
A Study of High School Geometry Performance in a Large Public School District and the Impact of No Child Left Behind
ProQuest
Geometry
Geometry Topics
Middle Level/senior High Non-college Intending
Geometry Curriculum Guide
Geometry Correlations, 1985-86
The Curriculum Guide for Geometry
Course Nos. 320, 321, 322, 323, Mt. Lebanon High School
Geometry Curriculum Guidelines
A School Building Program for the Gaylord School District
Major Work
Geometry, Grade 10
Special Education Informal Geometry IA, IB, Grade 11
Performance Objectives for Geometry
A Guide to School District Reorganization for New York State
Mathematics
geometry
A Planning Guide for Curriculum
Geometry
Bibliography of Materials Developed And/or Purchased by School Districts Participating in Senate Bill 28 Demonstration Projects for Reading and Mathematics
An Investigation of High School Geometry Students' Proving and Logical Thinking Abilities and the Impact of Dynamic Geometry Software on Student Performance
Student Performance as Aligned to Teacher Perception
Student's Texts
An Investigation of High School Geometry Students' Proving and Logical Thinking Abilities and the Impact of Dynamic Geometry Software on Student Performance
School Building Survey, St. Louis Park School District
Geometry is a Design