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Enriching visualization in an integrated inservice/summer 5–8 lab school with Cabri

Jr. Preliminary report.

Achievement scores in a local elementary school district consistently showed that there exist problems with the teaching and learning of geometry. With this in mind, the district developed a funded project where geometry was one of two strands. The project consisted of an integrated inservice and an enrichment summer school for grades 5–8. For the week before the summer school, teachers became acquainted with resources from which they were to draw their curriculum including the technology that would be available. During the summer school, they met to share and work on additional curricula and use of technology. Geometry was taught daily. Teacher results reflected new ideas about teaching geometry. Student achievement results showed a general increase of 28% with the increases in visualization at or above 60%. This session will briefly describe this program that linked teacher and student education and share some of the cabri jr activities used in the classrooms. (Received August 19, 2005)