

A Comparative Analysis Of High School Geometry Curricula

Author: Diler ner The University of Wisconsin - Madison / **Category**: Uncategorized / **Total Pages**: 191 pages

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Summary: Free a comparative analysis of high school geometry curricula pdf download - in this study i present an analysis of high school geometry curricula regarding mathematical proof opportunities i examined eight high school level geometry textbooks which were categorized into three main groups technology-intensive standards-based and traditional curricula i conceptualized ideal proving activity combining two fundamentally different ways of knowing a posteriori or experimental empirical and a priori or deductive propositional i argued that two major forces have given rise to such conception of proving national council of teachers of mathematics nctm -led reform that favors a doing perspective of mathematics and the availability of dynamic geometry software dgs a genre of computer tools that allow experimentation which enables such a vision using an analytical framework that maps onto this conception of proving i investigated proof opportunities along two main dimensions making mathematical generalizations and providing support to mathematical claims i also examined the role of dgs within proving activity

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which math curriculum should i use? - which math curriculum should i use? ... students who move from one district or school to another could switch curricula. ... we conducted a comparative analysis

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critical review of current textbooks - developing a good model of the school geometry curriculum ... initial analysis of current best ... a recent comparative study of geometry curricula found ...

mathematics education and comparative studies: two examples - mathematics education and comparative ... school arrangements. comparative studies have ... system with another had reached a high level. one stream of comparative ...

reform-based curriculum and motivation in geometry - reform-based curriculum and motivation in geometry ... (analysis), level-iii ... geometry at the high school level.

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after two years, three elementary math curricula ... - after two years, three elementary math curricula outperform a ... three elementary math curricula outperform a fourth." ... a comparative analysis: 3. 1.

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