

GOALS

Find predictors between outside forces and student test scores

Investigate the successful of the charter school's style of teaching, and what can be improved or replicated

Explore causes that could have led to the decline in African-American male success in primary and secondary school

Utilize these discoveries in the Breck community to strengthen the success of African-American males

Analyzing Mathematics Teaching in a P-8 African American Charter School

Leslie Hayes



INTRODUCTION

Even in 2013, the education system is failing many African-American students. In both public and private schools,

African Americans score significantly lower on standardized tests. Minnesota, a state which prides itself on its educational system, is ranked second-to-last in the country for African Americans graduating high school.

In particular, African-American males are at the center of this decline in graduation rates. No concrete solutions have been discovered that can aid in reversing the ever-increasing lack of education in the African-American community.

MY PROJECT

Partnering with a local, predominately African-American, charter school, I will be examining standardized math test scores throughout the student's school experience and compare them to their national peers. I will also be looking at forces outside the classroom, including gender, socioeconomic status, home life, location, and parent participation, to see how they influence student success in the classroom.

Background

I have been inspired by the work Dr. Roni Ellington at Morgan State University has done on the success of African-American students in mathematics. With that inspiration, combined with my personal experience as an African-American student at a private college prep school in Golden Valley, Minnesota and my passion for service learning, I'm excited to embark on this project.



Leslie Hayes

hayele@student.breckschool.org
mathresearch.breckschool.org

Breck School
123 Ottawa Avenue North
Golden Valley, MN 55422

Mission Statement: To incorporate mathematics into a a broader community by partnering with organizations to explore real-life problems with an emphasis on service-learning and social justice.