

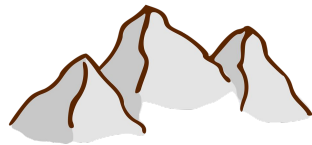
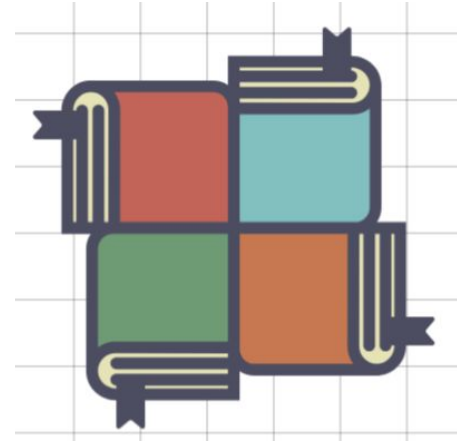
Project E

“Equity in Education, Excellence in Every Child”

Abi Strait

Project E Founder and President

Mechanical Engineering '27



What is Project E?

Vision

Project E is an idea of an organization that allows Mines students, staff, alumni, and others to give back to their community by delegating some time to tutoring students from low income schools who are sub-par on their education.

Mission

Project E aims to close the socioeconomic achievement gap in k-12 schools, specifically starting in Jeffco, by providing students with free, accessible tutoring, who would otherwise not have the resources need outside of the classroom to be on par with their education.

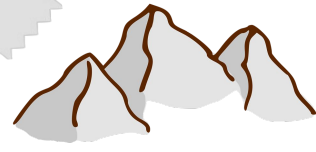
Community

Project E will only work through people who want to give back to their community. That could include, but is not limited to: Title 1 schools who want to partner with us to receive the tutoring, those who want to donate to cover tutoring costs, and those who want to donate their time to giving these students the education they deserve and making Project E a reality.



Why Am I Starting Project E?

- ❑ Tutored students at Title I schools my mom taught at growing up (low socio-economics)
- ❑ Tutored at Mathnasium my Junior and Senior years of high school (high socio-economic)
- ❑ Tutored privately for extra money (low income)
 - 7 y/o could not read picture books
 - 5th grader couldn't do simple multiplication
- ❑ The severely sub-par in their education - specifically reading and math - lacked extra resources and support outside of the classroom



Problem Statement: Socioeconomic Status Affect on Education

Who qualifies as having lower socio-economic status?

- If their guardians earn less than \$25,926.00 per year
- If their family income is 130% at or below the poverty level

What is the achievement gap?

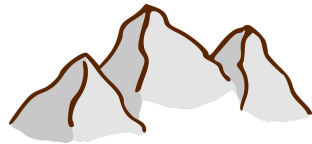
The achievement gap refers to the disparity in academic performance between groups of students.

What is the equity gap?

The equity gap refers to the disparity in academic performance between groups of students, according to demographic traits.

What is the difference between the two?

Throughout the presentation I will be referring to the disparity in socioeconomic status as the socioeconomic achievement gap. However, it is important to note that this also refers to the equity gap, since students are failing to achieve something in their education based on demographic traits.

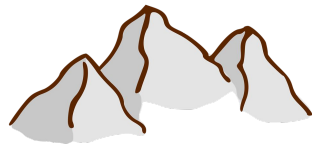
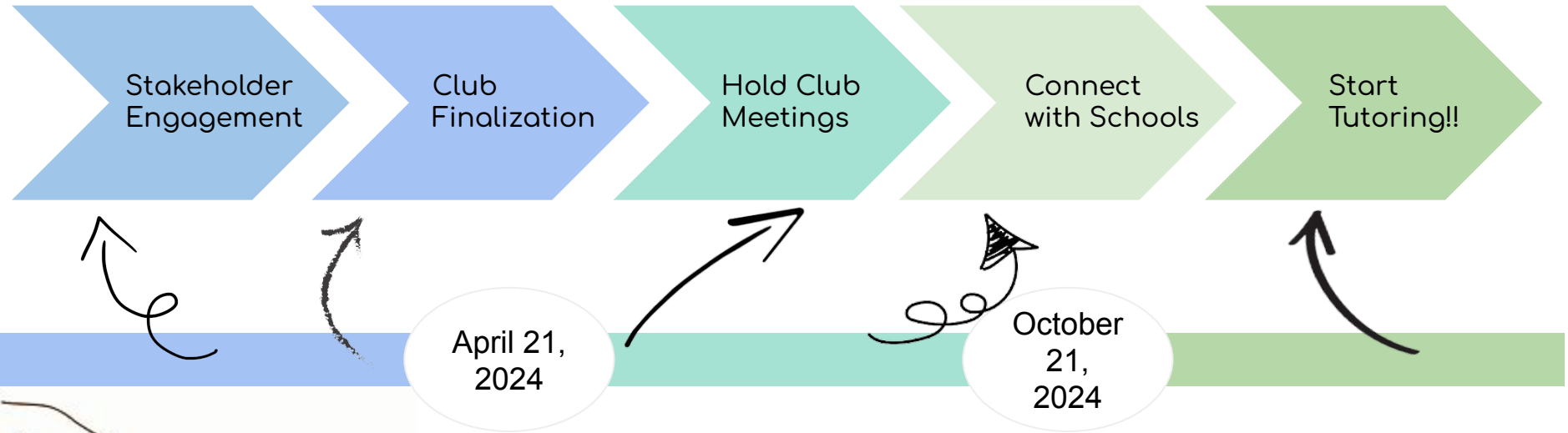


Problem Statement: Socioeconomic Status Affect on Education

- ❑ 34/50 states show no statistically significant change in the SES achievement gap
- ❑ Between 2017 and 2019, 12% more students from high income families graduated than from low income families (79% to 91%)
- ❑ As of 2022, research has proven that lower-income students perform worse in school (measured by academic tests)
 - On average, low SES (socioeconomic status) students perform 1 standard deviation lower, or 3 years academic years behind high SES students
 - Low SES students enter high school with average literacy skills 5 years behind
 - Low SES students are behind in reading and math proficiency by 20-26%
 - The success rate of low SES students in STEM fields is significantly lower than high SES students
 - The socioeconomic achievement gap is associated with almost double the dropout rates among low SES students compared to high SES students (7.2% compared to 3.6%)
 - About 51% of students from low income families go to college, compared to 89% from high income families
 - Low SES students have a lower likelihood of college graduation (14% compared to 60%), but a higher likelihood of incarceration



Timeline of Goals



Stakeholders	Have They Responded? (Y/N)	Questions for Them
Penny Strait (Coach at Bradford Primary)	Y/ talked to (many times, thanks mom)	<ul style="list-style-type: none"> - Does Project E focus on the right aspect of education to improve? - Would your school be looking to partner with Project E given that it has enough support?
Mary Parker (Member of the Jeffco School Board)	Y/ meeting set up	<ul style="list-style-type: none"> - What more information or critiques would you have for me/ Project E?
Kristen Enney (Principal at Title I elementary school, Swanson Elementary)	Y/ meeting set up	<ul style="list-style-type: none"> - Would your school be looking to partner with Project E given that it has enough support?
Tamsen Stokes (Principal at Title I middle school, Moore Middle School)	N	<ul style="list-style-type: none"> - Would your school be looking to partner with Project E given that it has enough support?
Caroline Frazee (Principal at Title I high school, Arvada High School)	Y/ meeting set up	<ul style="list-style-type: none"> - Would your school be looking to partner with Project E given that it has enough support?
Drew Cornmesser	Y/ met with	<ul style="list-style-type: none"> - Will you be the club coordinator?

Stakeholders	Have They Responded? (Y/N)	Questions for Them
Renee Nicothodes (Chief Academic Officer Jeffco Public Schools)	N (email forwarded by Mrs. Parker)	<ul style="list-style-type: none"> - Does Project E focus on the right aspect of education to improve? - What feedback or improvements or worries do you have for Project E?
Ashlyn Maher (Project Coordinator on the Jeffco Public Schools Strategic Initiatives Team)	Y (reached out to me)	<ul style="list-style-type: none"> - Does Project E focus on the right aspect of education to improve? - What feedback or improvements or worries do you have for Project E?
Karen Buelow (Director of Strategic Initiatives Jeffco Public Schools)	Y (copied on email from Mrs. Maher)	<ul style="list-style-type: none"> - Does Project E focus on the right aspect of education to improve? - What feedback or improvements or worries do you have for Project E?
Lisa Relou (Chief of Staff Jeffco Public Schools)	Y (copied on email from Mrs. Maher)	<ul style="list-style-type: none"> - Does Project E focus on the right aspect of education to improve? - What feedback or improvements or worries do you have for Project E?
Mines Philanthropy Tank	N	<ul style="list-style-type: none"> - How much will you give for funding for Project E?

Project

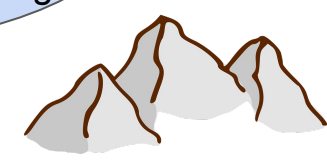
Our second funding request is for \$2500.00, for iPads (including warranties, cases, and screen protectors) for each tutoring bin. These ipads would be used for online learning apps, since what we can keep in the tutoring bins is limited. This would bring the running total to approximately \$5350.00

Project E Needs / Funding Breakdown		
Candy Variety Pack	2LBs	\$23.22
Chocolate Variety Pack	3LBs	\$32.66
6FT Folding Table		\$65.05
3 Pack Halloween Buckets		\$15.32

Project E Needs / Funding Breakdown	
ipad 9th generation + warranty	0.00
+ case and screen protector	\$41.86
(for each bin) x 5	\$2059.30
Running Total Approx	\$5350.00

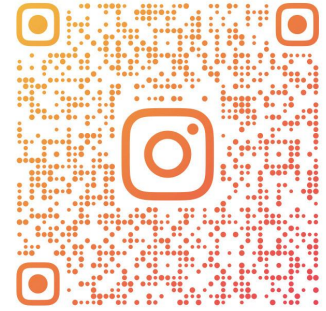
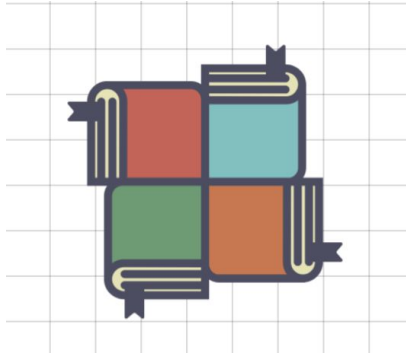
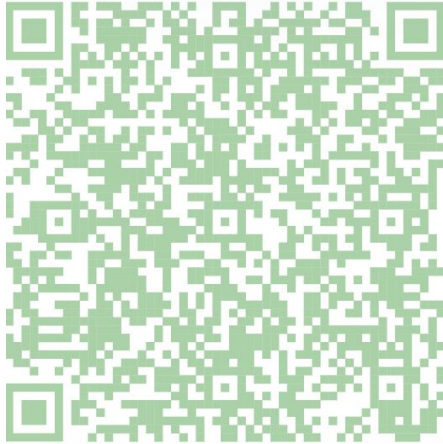
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Dry Erase Clock	
Canonized Post	
↳ PEMDAS	
↳ Parts of Speech	
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Multiplication Fla	
Division Flash	
Dry Erase Markers	
Award System + A	
Pens, Pencils, and	
Contribution Stage	
Running Total	

**Note: I forgot to include the bins themselves, but since each stage total was rounded up, so this, and anything else I didn't think about, should be covered in the extra money.*



Stage	Total
1	\$2500.00
2	0.00
3	0.00

Citations



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Mechanical Engineering '27

Metallurgical and Materials Engineering '28

