

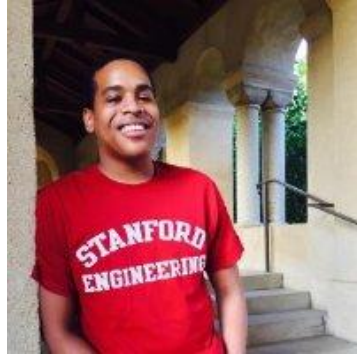
Assignment 1

Needfinding through Interviews

Our team



Lindsey Redd



Samuel Hinshelwood Jr.



Mark Orozco

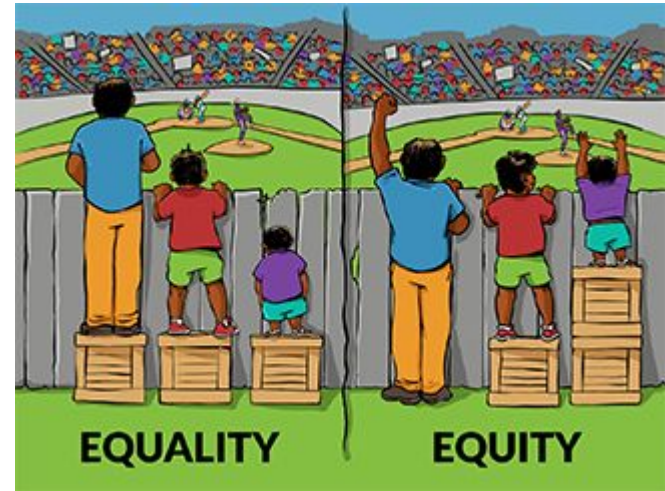


Nicole Hardson-Hurley

Inclusive Design

Domain:

Equitable Learning
Experiences for
Marginalized Communities



Needfinding

Methodology



Choosing participants

- Individuals with a stake in education
- Personal connections
- Diverse backgrounds, different roles.



Questions asked

Describe for me what you do on a daily basis.



What is one of the most fulfilling parts of your job?

What motivates you?

Questions asked (cont.)

What is one of the most disappointing parts of your job?



Tell me a story of something that was very frustrating with regards to ____.

What do you hope for in the future from/with regards to ____?

Results

Tensions

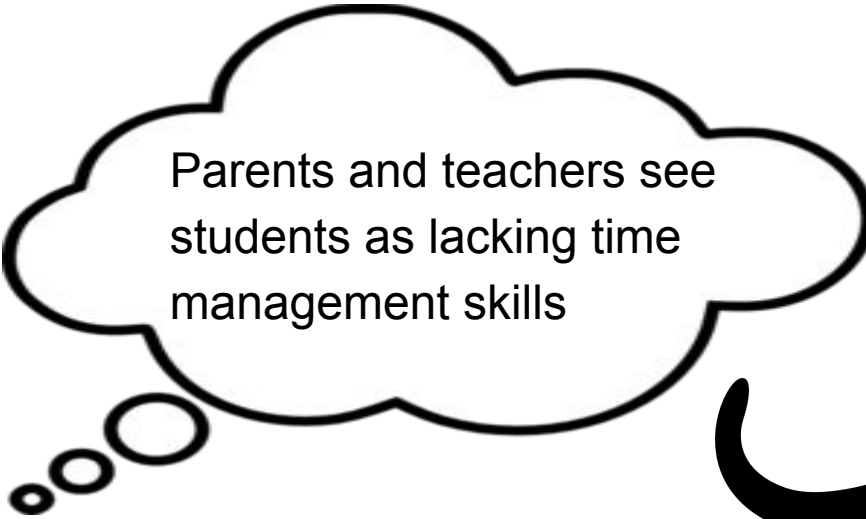
Educators are passionate but overworked and underpaid

Teachers don't have enough time in under-resourced schools

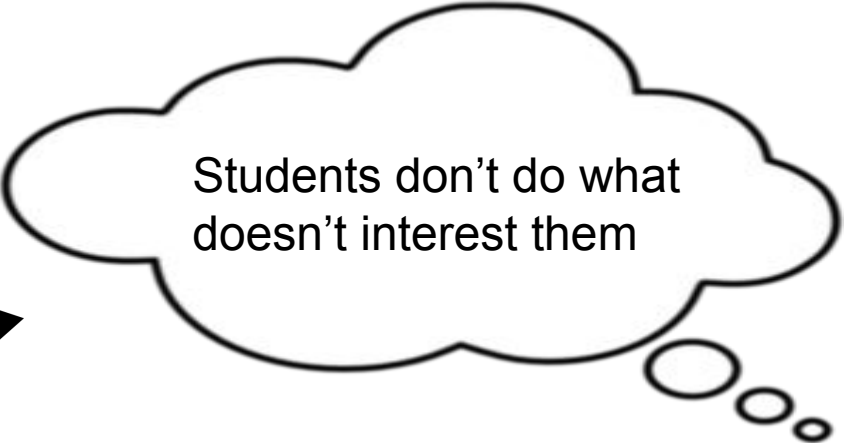
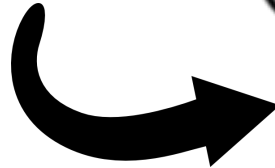
Little training for assistive tech for visually impaired

Educators are uncomfortable with math and science

Contradictions



Parents and teachers see
students as lacking time
management skills



Students don't do what
doesn't interest them

Contradictions



Assistive tech exists

Visually impaired populations
aren't taught how to use it

Surprises



Need for teacher accountability

Teaching in an under-resourced
school is martyrdom

Little/no education around technologies for
the blind/visually impaired



Quotes

“We must engage students in their own progress data” --Melinda

“I love the work when my hands aren't broken and would stay longer if things weren't so ridiculous” -- Diedre

Quotes



“I can manage my time. It’s just that I dread doing some of the work.”

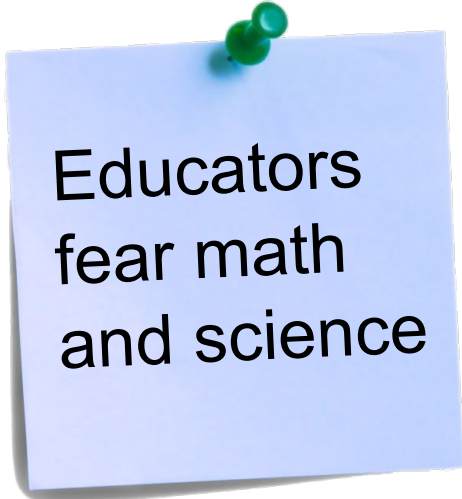
-- Leah

“If you can't see your phone when you're setting it up, then you don't know what it can do for you.”

--Cassandra



Analysis



Educators
fear math
and science

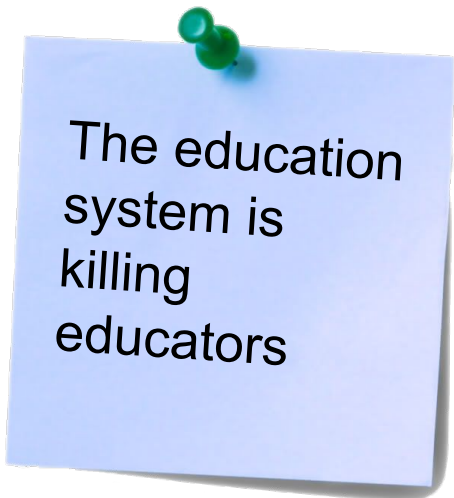
Say



50 of 60
friends who
went to
college have
dropped out



We need constant
communication
about our
expectations and
vision



The education
system is
killing
educators




Frustrated
tone



sighed


Do




Move
schools



Have a
hands off
approach

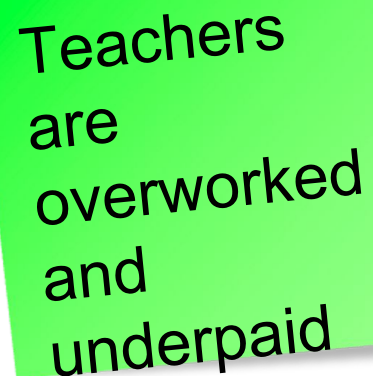


Tech is
important to
the blind

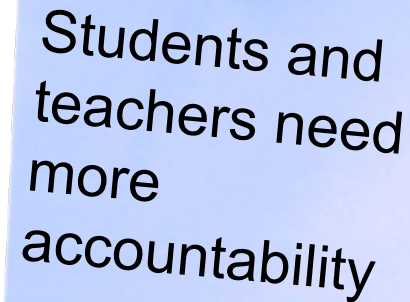


Schools
need full
time admin

Think



Teachers
are
overworked
and
underpaid



Students and
teachers need
more
accountability



Frustrated



Passionate

Feel

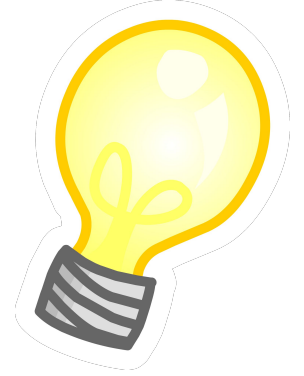


Angry



Urgency

Needs and Insights



Needs

- Need teacher accountability
- Teacher satisfaction
- Students accountability
- Assistive tech education

Insights

- Disadvantaged areas lack basic school resources
- Tech isn't being effectively utilized
- Teacher's don't have enough time to modify lesson plans to include tech

Inferences, Conclusions

Under-resourced teachers need support

Improved communication between teachers,
parents, and students

Tech adoption in classrooms is hard

Teacher student relationships are key

Questions

What are examples of successful classroom technologies?

Who to design for?

Who is most likely to use new technology?

How to focus on under-resourced communities?

Thank you!