



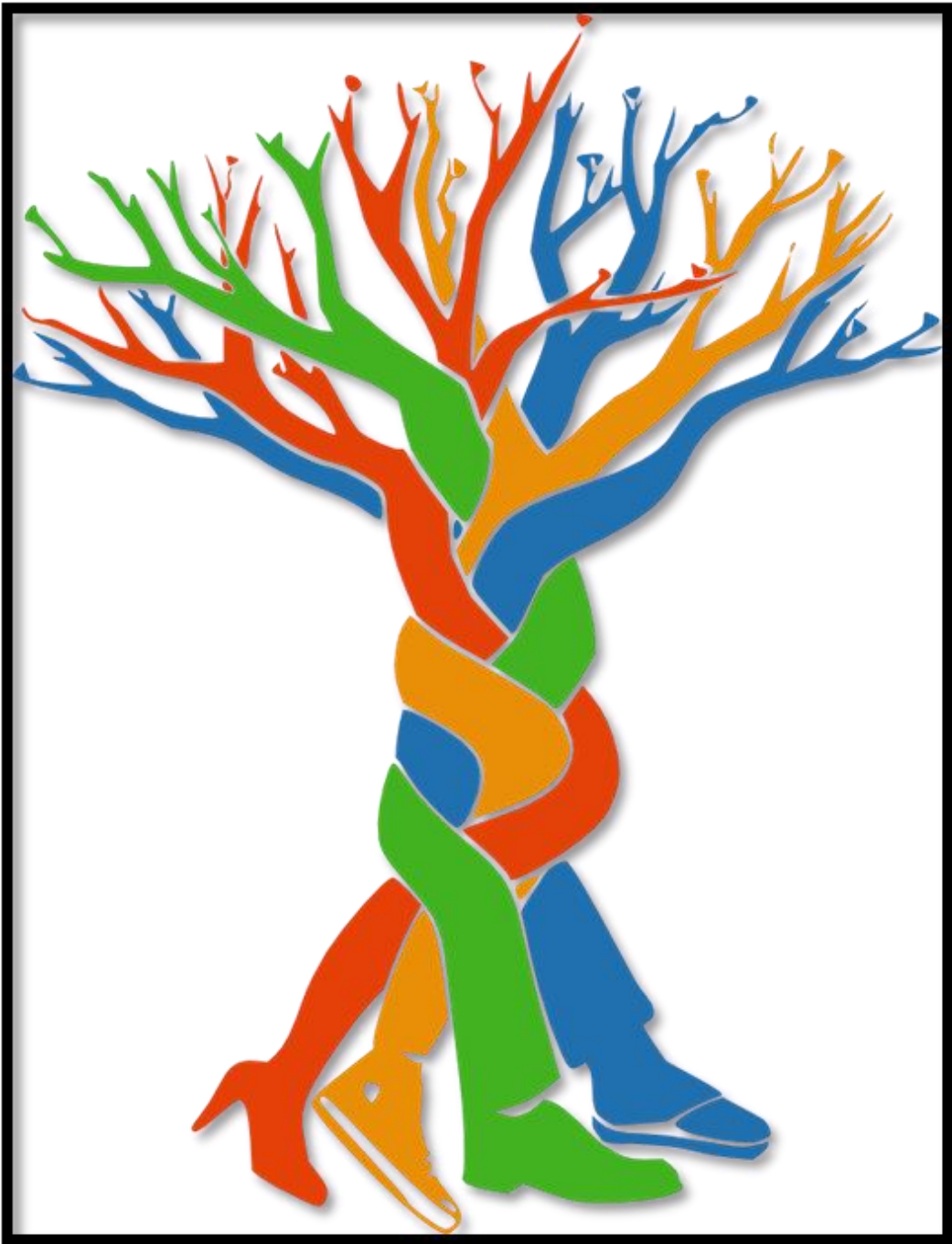
Excellence *with* Equity

Project E³:

Environmental and Engineering Sciences
for Everyone

Davyd





Excellence
with Equity



Cultural Diversity

30.1% Hispanic

9.6% Black

7.2% Asian

53.1% White

Linguistic Diversity

21.7% Spanish

2.4% Karen

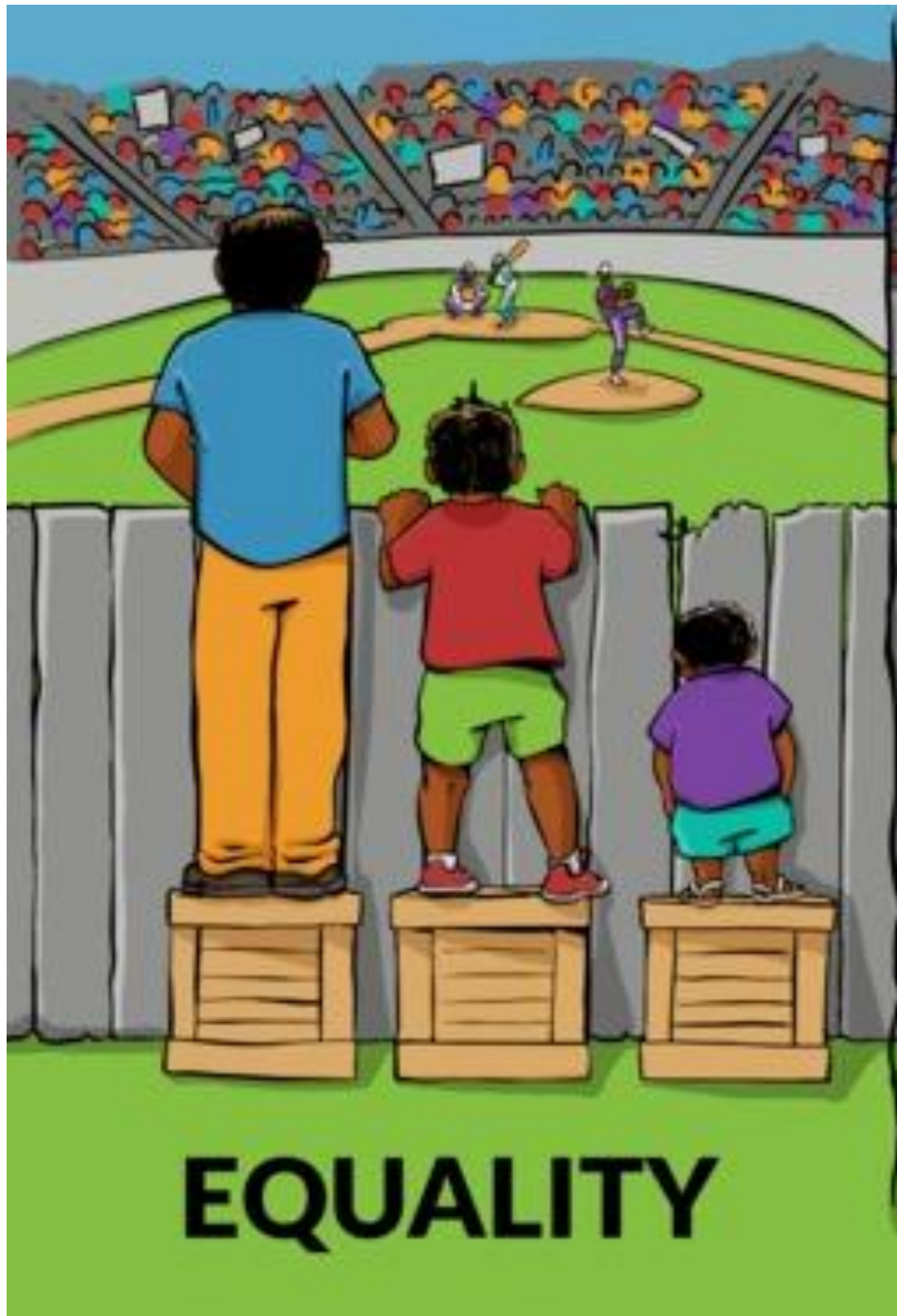
6.0% African Dialects

69.9% English

Economic Diversity

51.8% Eligible for
Free/Reduced Lunch

42.2 % First
Generation to
College



VS





SO WHAT?



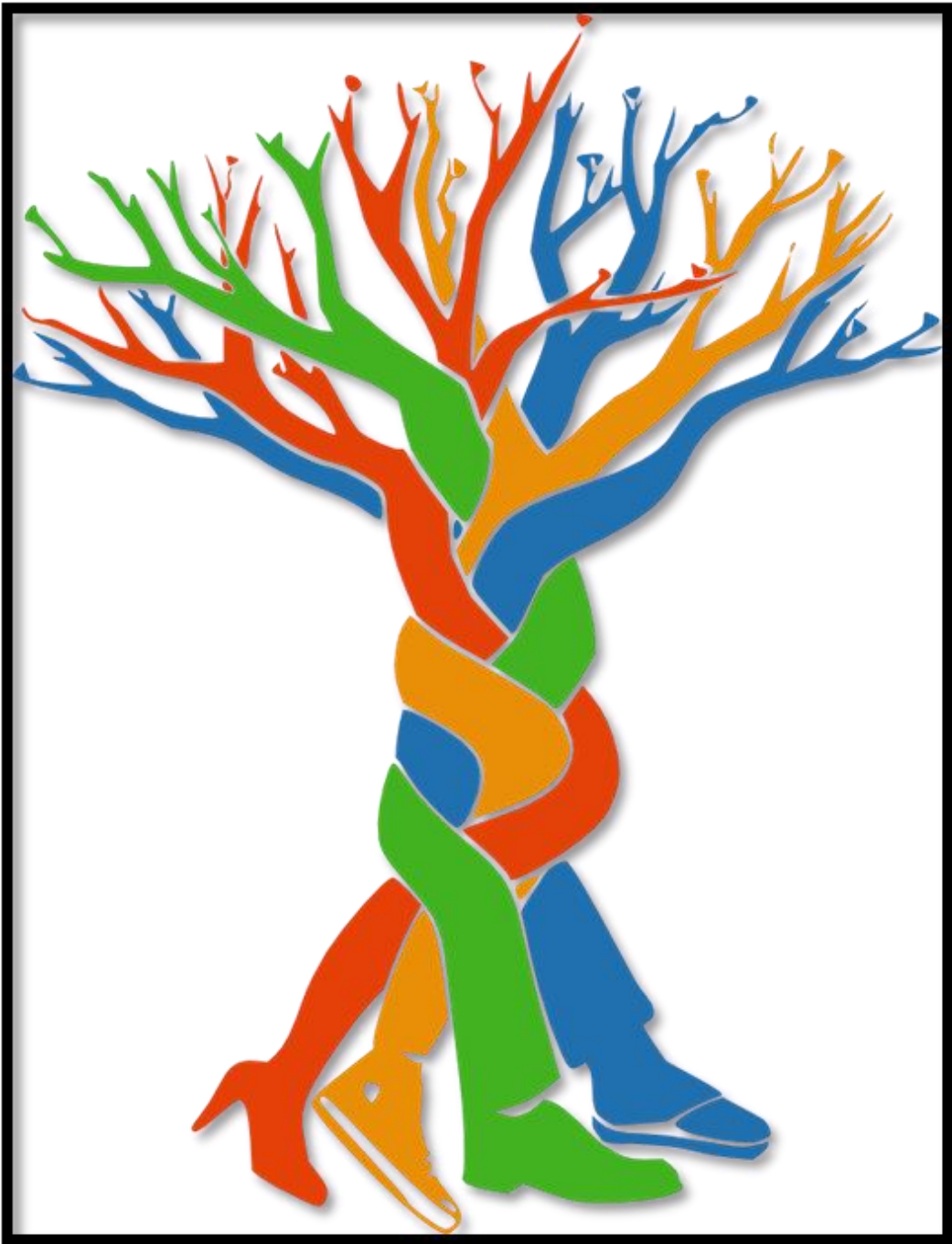
Health Benefits

Building Background Knowledge

Authentic experiences

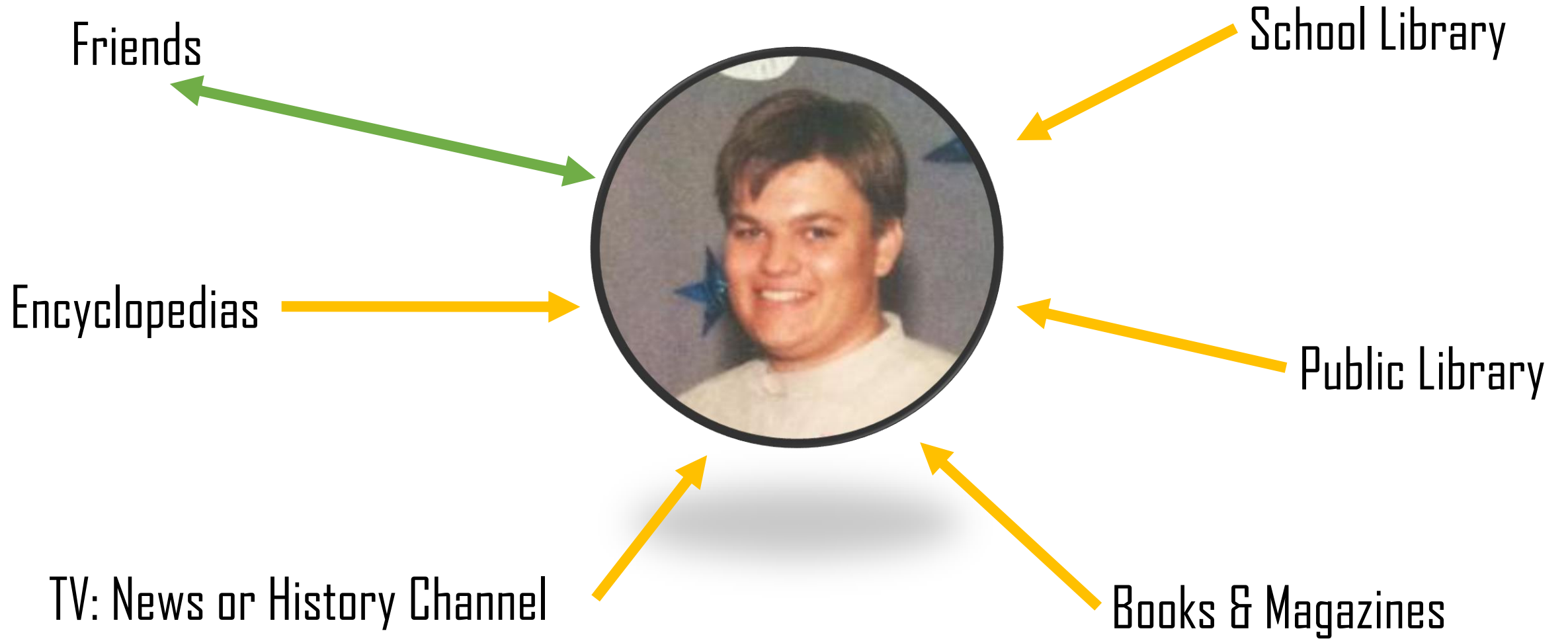
Benefits



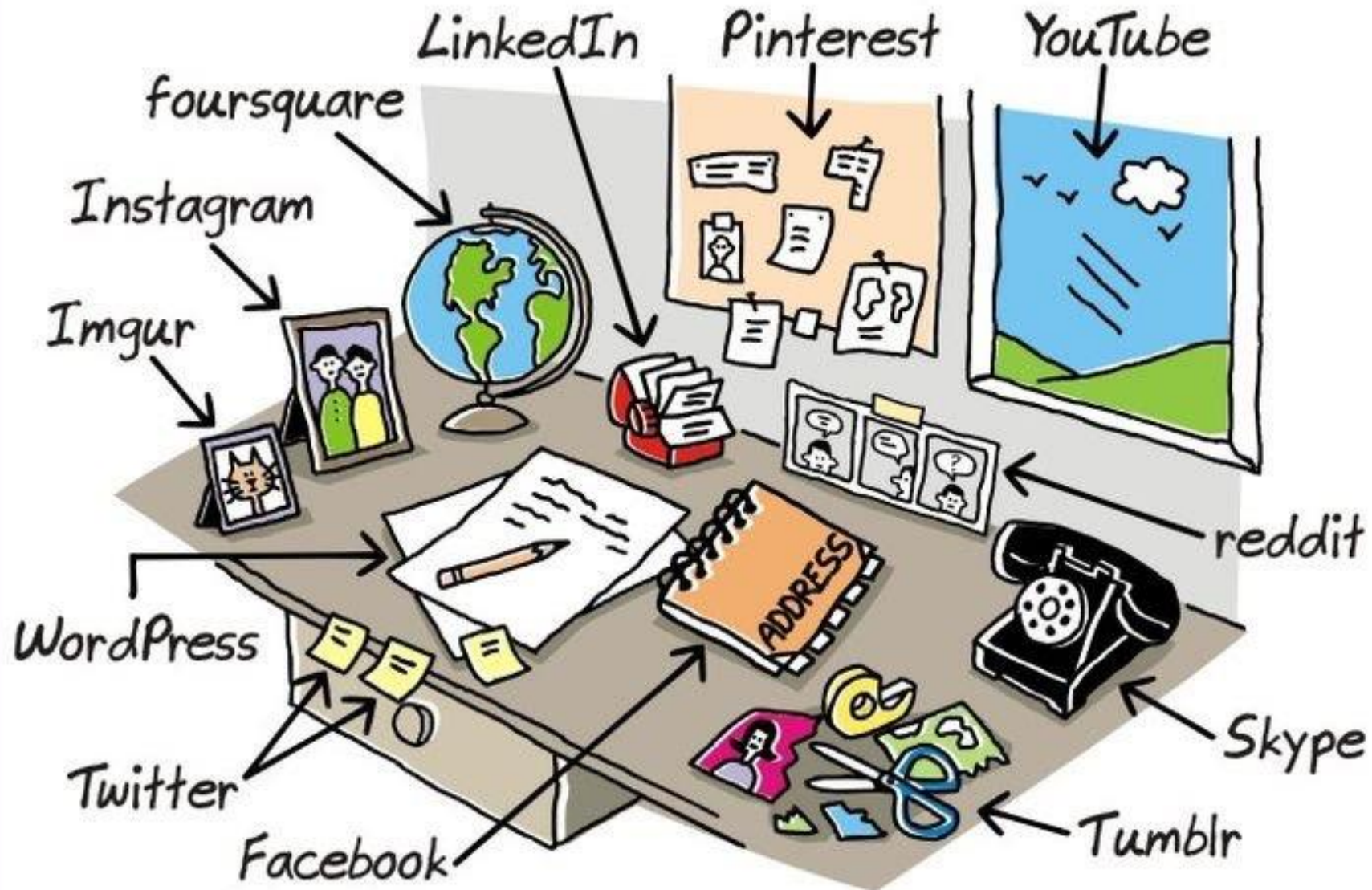


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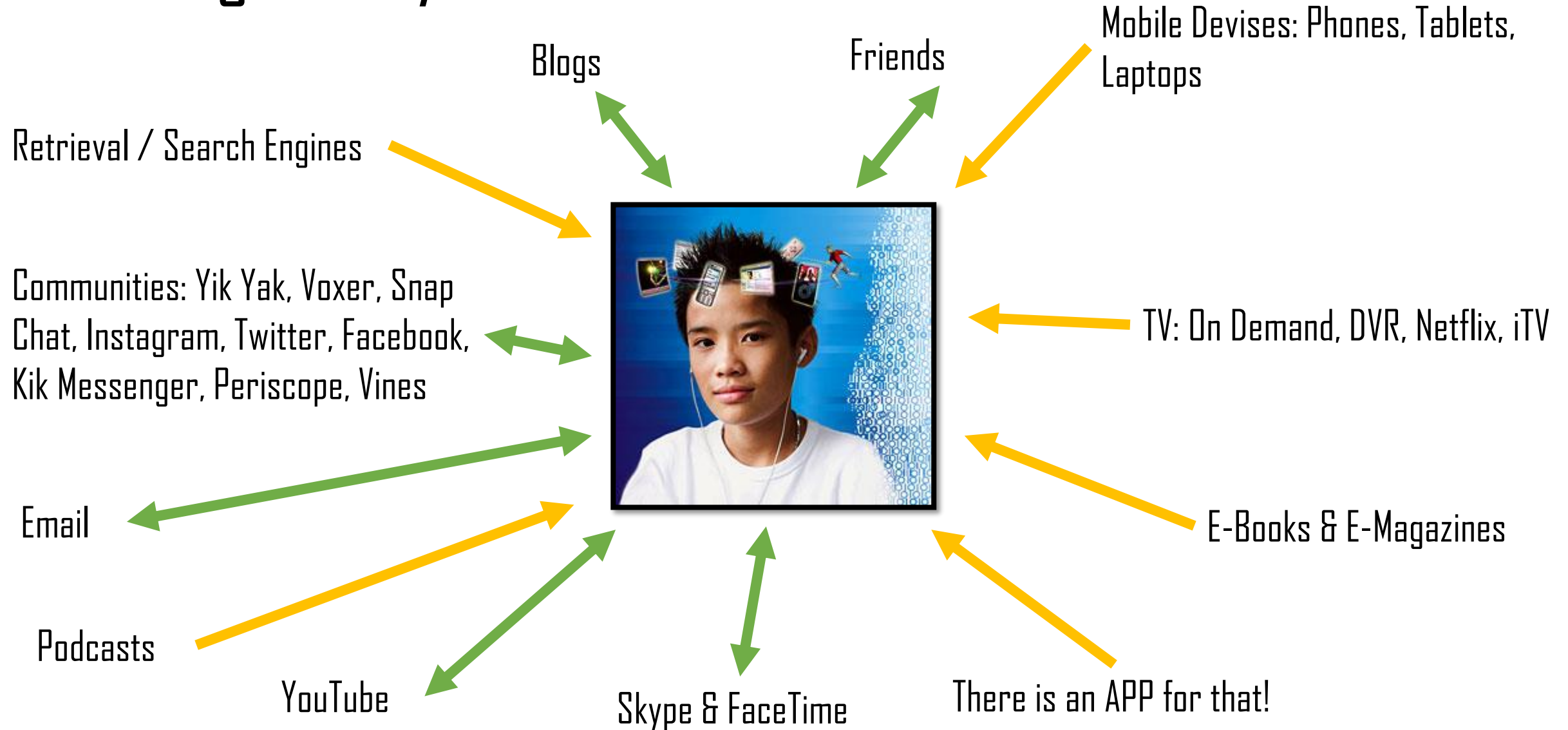
Learning Ecosystem: 1996

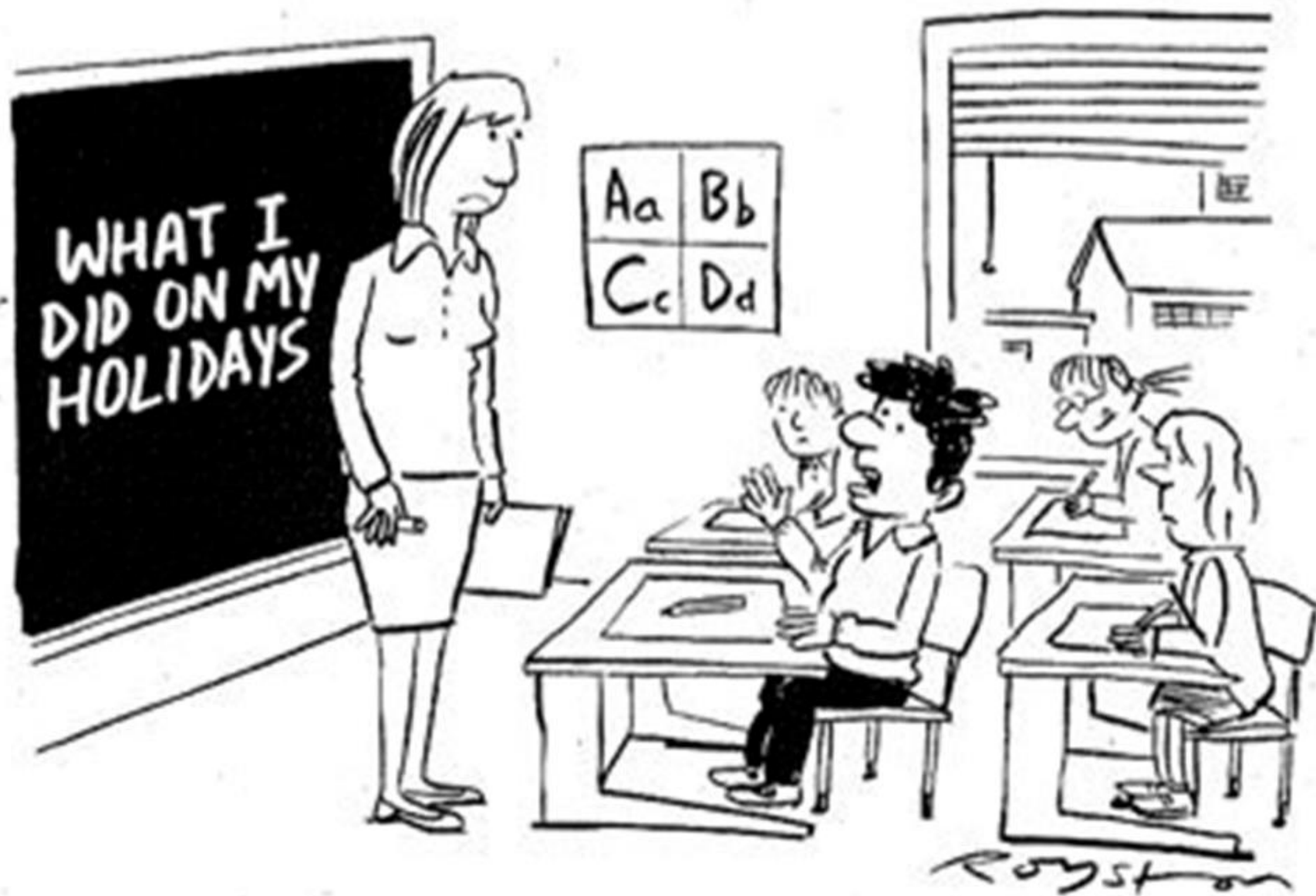


vintage social networking



Learning Ecosystem: 2016





"Can't I just email you a link to my blog, miss?"

ESSAY
ASSIGNMENT:

"WHAT I DID
ON MY SUMMER
VACATION"

NO, I
DON'T WANT TO
"JUST CHECK
YOUR FACEBOOK
PAGE"





Excellence
with Equity

A white van is shown in profile, facing left. The text "Vehicles of Change" is written in a black, italicized serif font across the side of the van. The van has a black front bumper, a black side mirror, and black wheels with white hubcaps. The background is plain white.

Vehicles of Change

Connected

Advocacy

Rigor

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Vehicles of Change

Connected

Advocacy

Rigor

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Global 2 Local

SEP

10,000 lakes

14



Cedar River Watershed District

Justin Hanson



Austin Municipal Water Treatment Center

Chad Herd



University of Minnesota Monarch Lab

Dane Elmquist



Jeffers Foundation

Ed and Sil
Pemberton

EXPLORE Minnesota.com

Global 2 Local

SEP

10,000 lakes

14

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Vehicles of Change

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Rigor

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Citizen Scientists

SEP

10,000 lakes

14



Minimizing your water "Footprint"

Polluted air cuts the length of a lifetime

in China, new study shows

By Los Angeles Times, adapted by Newsela staff on 07.15.19
Word Count 722



BEIJING — Dry air decreased human lifetimes, say a new study. It examined the air in 30 Chinese cities between 2000 and 2010. This information was then compared with death rates in 145 places across China. The study found a strong link between air pollution and ill health. And many people in a poor country that mostly depended on coal for energy are breathing the health of its citizens to

Parents say students shouldn't have to breathe Beijing's toxic air in class

By Los Angeles Times, adapted by Newsela staff on 01.13.16
Word Count 639



Young students wear masks as they stand near a Chinese elementary classroom in Beijing, Jan. 16, 2015. They took up in the Chinese capital as the second half of the month was hit with heavy haze of smog and smogging factory production. Photo: AP/Wide World

BEIJING, China — It was a one-two punch: first air pollution, and then all of the government's rules and regulations.

Sara Zhang, like many Beijing residents, has taken steps at home to protect her two children from the city's notorious air pollution. Yet her 7-year-old son's school, Yuanhe Elementary, has not installed any air purifiers — machines common at expensive private schools — leaving its students no choice but to breathe

Schools Offer Assistance To Schools

Sara Zhang recently joined other parents to offer a few air purifiers to the school. School administrators refused, and their reason — that the government's air purifiers' use — led her to a nightmarish experience.

Analyzing Current Events



"Conservation Celebration"

Passions & Potential







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Vehicles of Change

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Advocacy

Rigor

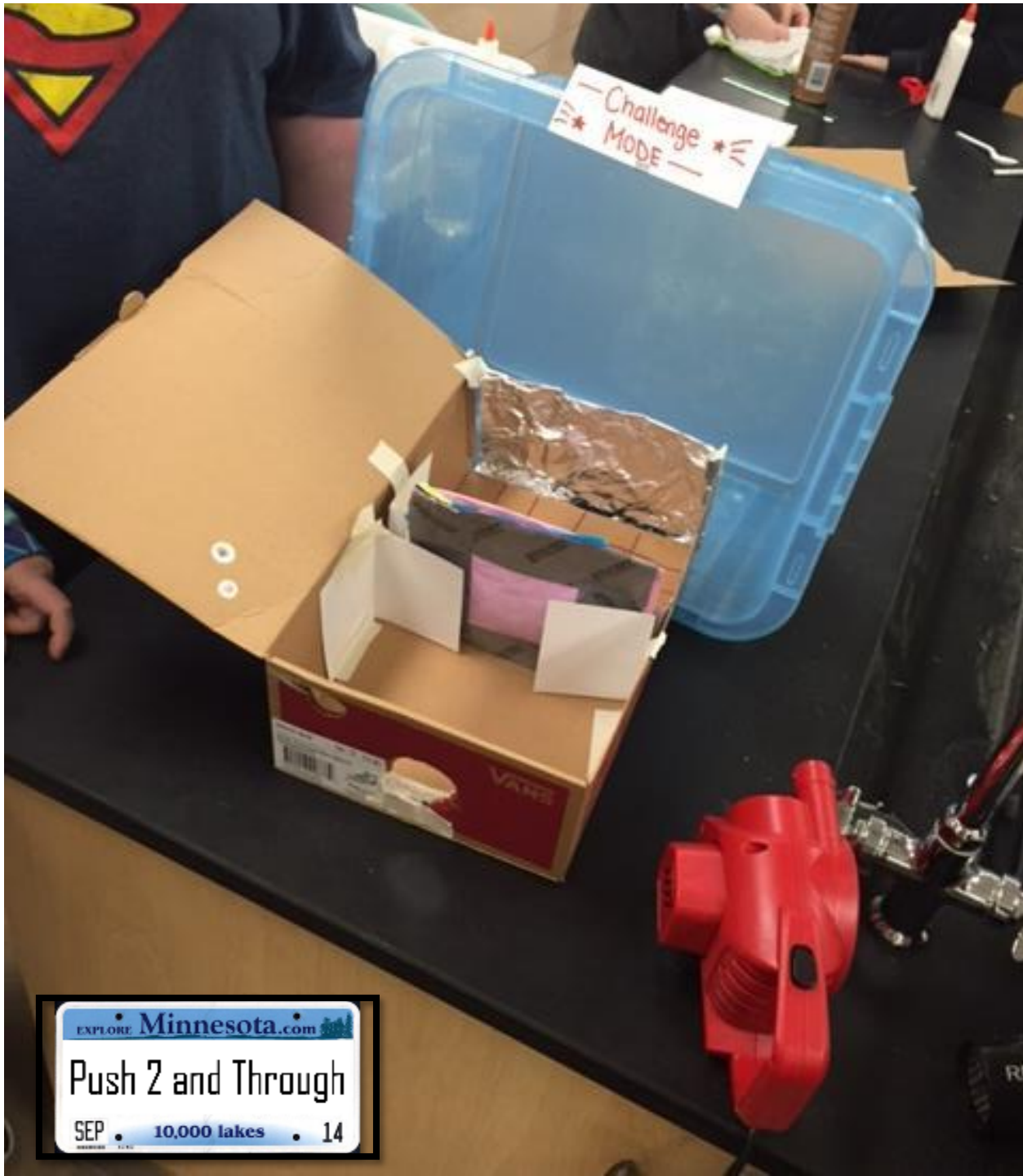
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Push 2 and Through

SEP

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Designing Air Filters



Cleaning Oil Spills



Measuring the LUX and the PH levels



Designing Oil Containment Booms



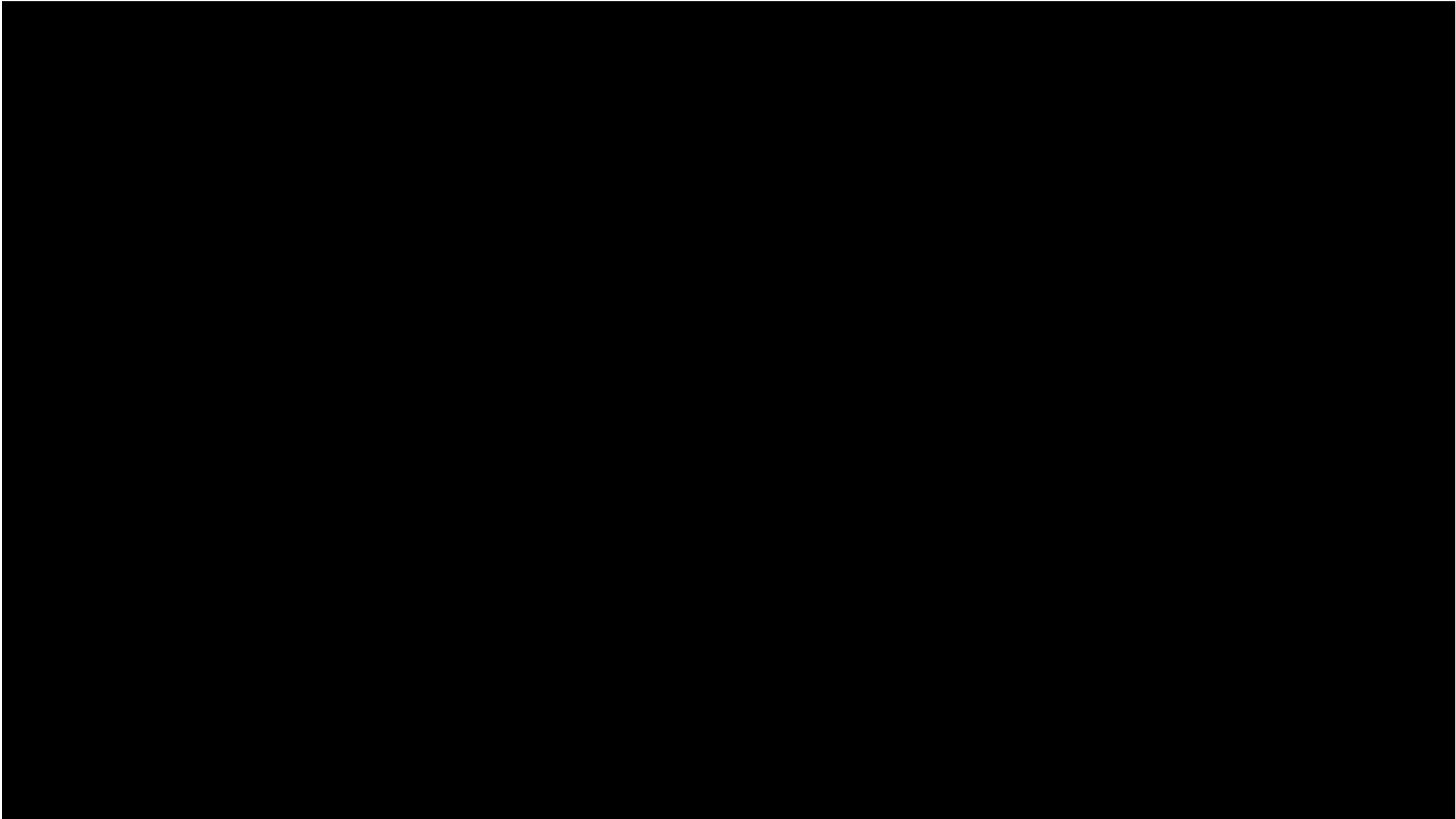
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Push 2 and Through

SEP

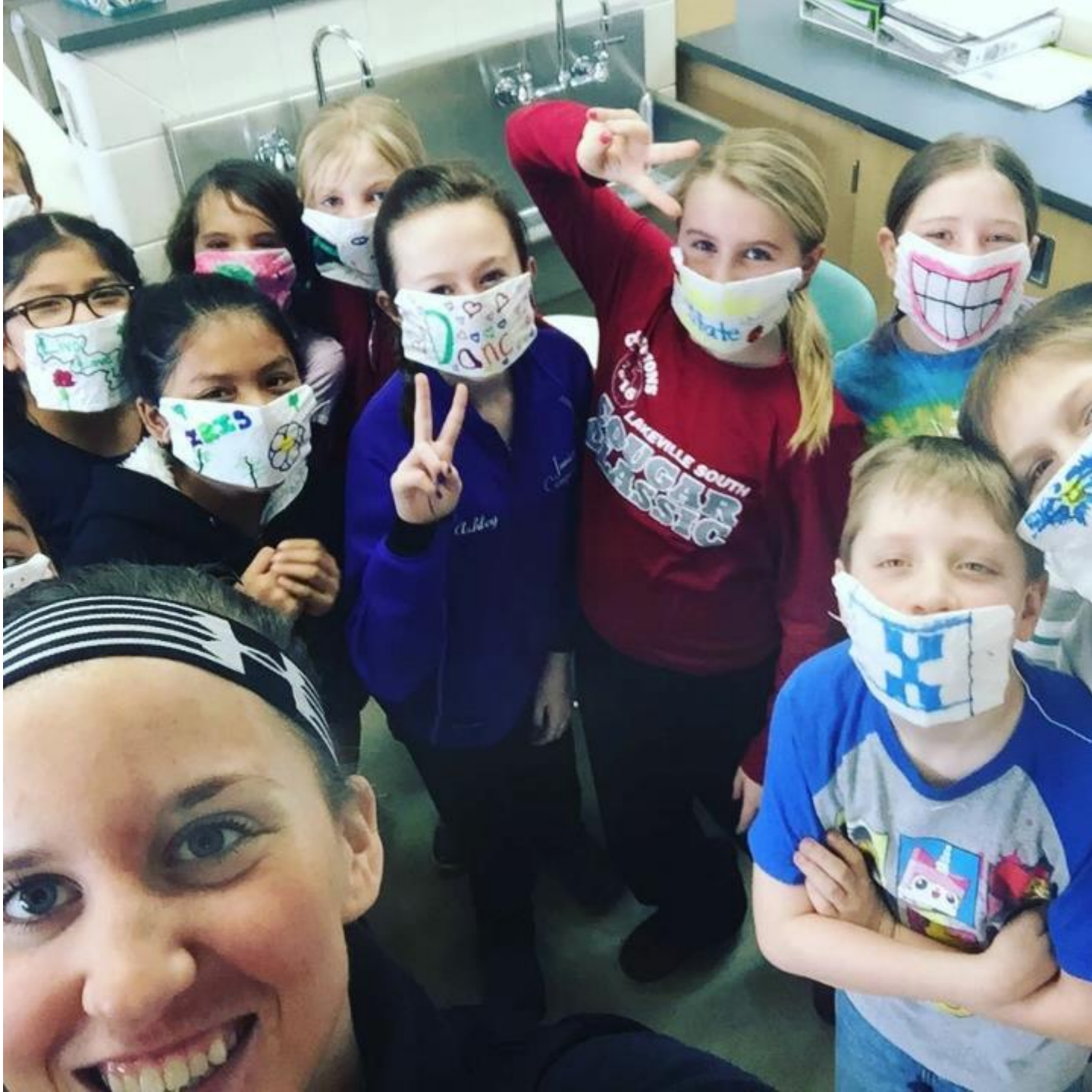
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Q B A

Austin
Public Schools

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Project E³

www.projecte3.weebly.com

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