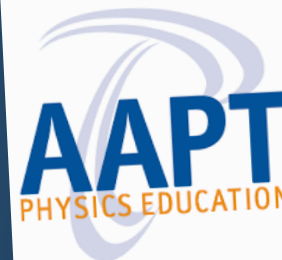


REALIZING THAT TEACHERS HAVE A VOICE

AMBER SAMMONS

MENTORED BY: MARK HANNUM



WHAT IS THE MASTER TEACHER POLICY FELLOWSHIP?



GOALS OF THE MTPF

The background of the slide is a collage of educational icons. At the top left is a black graduation cap. Below it is a stack of three books in shades of blue and purple. In the bottom left corner, there is a purple pencil holder containing several pens and pencils. On the right side, there is a 3D illustration of a school building with a red roof and green lawn, sitting on top of a stack of books. The entire scene is set against a white background with a subtle grid pattern.

- BRING TOGETHER TEACHERS PASSIONATE ABOUT IMPROVING THE EDUCATION SYSTEM
- TEACH EDUCATORS WAYS TO EFFECT POLICY AT THE FEDERAL LEVEL AND THE STATE/LOCAL LEVEL
- EMPOWER TEACHER-DRIVEN EFFORTS TO IMPROVE EDUCATION POLICY

VISITS AND SPEAKERS

U.S. Department of Education

National Academies, Board on Science Education

Education Commission of the States

U.S. Department of Agriculture, Land Grant Extensions
Systems and 4H

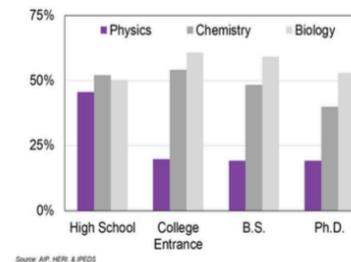
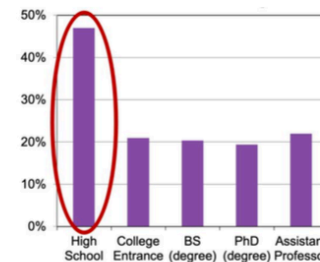
American Association of Colleges for Teacher Education

National Science Foundation

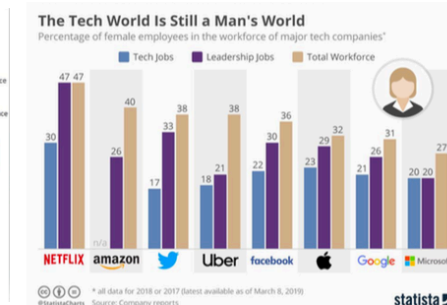
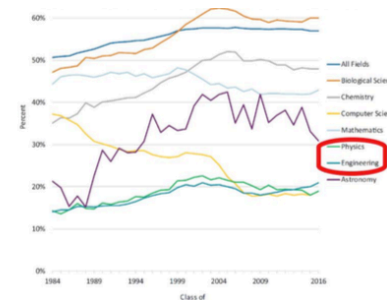
ONE PAGER

Need More Women & Diversity in STEM & Tech Jobs

What's the PROBLEM?: Even though enrollment in H.S. physics courses is nearly 50% women, and unlike other sciences, post-secondary participation in physics falls dramatically after high school.



Why is it IMPORTANT?: If more female and underrepresented students are encouraged to take college physics, then they will be more likely to major and complete an engineering/STEM degree.



Why we need WOMEN in STEM Jobs?

- 40% more tech patents filed by mixed-sex teams compared to all-male teams.
- Need more women's input in tech companies' products (e.g. seat belts, blind spots, smartphones, apps, etc.)
- Purchasing Power: 66% of computers are purchased by women
- STEM jobs have 33% higher salaries

What can we DO?:

- Support bipartisan bills like H.R. 2528, 1665, S737
- Continue to fund NSF programs like the \$3 million grant pilot program
- STEP UP Program with APS
- Help spread awareness of this issue to local agencies and companies
- Provide guidance at the state/local level

Contact: Henry Fung (Fremont, CA) Master Teacher Policy Fellow - henryfung@cal.berkeley.edu



CAPITOL HILL

- 25 SENATE AND HOUSE OFFICE VISITS
- 6 ONE-ON-ONE MEETINGS WITH CONGRESS MEMBERS
- 1 CO-SPONSORING OF A BILL
 - HR 3108 "TEACHERS ARE LEADERS ACT"

TAKEAWAYS

- EDUCATION POLICY IS MOSTLY CONTROLLED AT THE STATE/LOCAL LEVEL
- EXPERTS HAVE A VOICE
- TEACHERS AREN'T LIMITED TO THE CLASSROOM



I NEED TO THANK...

- MY MENTORS, ROBERT HILBORN + MARK HANNUM
- AAPT + AIP
- HENRY FUNG AND THE POLICY FELLOWS
- BRAD CONRAD, KAYLA STEPHENS, AND ALL OF THOSE AT SPS
- MY FELLOW INTERNS!!!

QUESTIONS?

