

# Calling ALL STEMinists!



**Dr. Stephanie Garcia**



## WHAT IS A STEMINIST?

**STEM + FEMINIST =**



# CYNTHIA BREAZEAL

SCIENTIST AND ROBOTICIST, PIONEER OF THE WORLD'S FIRST SOCIAL ROBOT



CYNTHIA'S APPROACH TO INNOVATION HELPED HER DEVELOP SOCIAL ROBOTS AND IMPROVE THE QUALITY OF PEOPLE'S LIVES. SHE IS AN INSPIRATION TO ANYONE WHO WANTS TO USE TECHNOLOGY TO MAKE A DIFFERENCE. THE SCIENCE COMMUNICATION COMMUNITY HAS DESIGNATED HER AS A

DR. HAYAT SINDI

SCIENTIST AND INNOVATOR, FIRST SAUDI WOMAN WITH A BIOTECHNOLOGY PH.D FROM CAMBRIDGE



HAYAT HAS SPENT MOST OF HER LIFE BREAKING NEW GROUND. CO-FOUNDER OF DIAGNOSTICS FOR ALL WHICH BENEFITS POORER PEOPLE, AND THE I3 INSTITUTE TO INSPIRE YOUTH, SHE HAS DEVOTED HER LIFE TO MAKE THE WORLD A BETTER PLACE.

# DONNA STRICKLAND

2019



CPA

# MAY-BRITT MOSER

2014 NOBEL PRIZE




# WOMEN IN SCIENCE

— 50 FEARLESS PIONEERS WHO CHANGED THE WORLD

WRITTEN AND ILLUSTRATED BY RACHEL IGNOTOFSKY



Texas *Girls*  
Collaborative Project



**“Behind every great woman,  
is great women!”**

# STEMinista\$ Push Back!



- Historical marginalization & structural inequalities
- Tracked out of college preparatory classes
- Excluded from positions of power
- The list goes on...

# STEMinista\$Benefit From:



- Respecting and valuing women's and people of color's cultural forms, traditions and contributions to the field
- Economic and social mobility
- Access to high level STEM learning
- The list continues...



**RESIST  
PERSIST  
STEMINIST**

**Promote and Advance**  
Policies and practices that protect these civil rights



“  
**COMMUNITY  
OVER  
COMPETITION**

JUST CREATIVE

# Commit to Community

Children First

**IDRA**

— Transforming Education





**#GOALS + PLANS ACTION**



# AMPLIFY STUDENT VOICE



# The future of work is here!

## 5 most in-demand soft skills in 2019

1. Creativity
2. Persuasion
3. Collaboration
4. Adaptability
5. Time Management

## 5 most in-demand hard skills in 2019

1. Cloud Computing
2. Artificial Intelligence
3. Analytical Reasoning
4. People Management
5. UX Design



It is estimated that since 2018, 2.4 million STEM jobs have gone unfulfilled. Minorities are deeply underrepresented in STEM fields. STEM jobs typically pay \$20,000 more annually than non-STEM jobs.



- Latinx 2.2%
- African American 2.7%
- Native American 3.3%
- White and Asian American 91.8%

## Is Texas Ready?

Children First

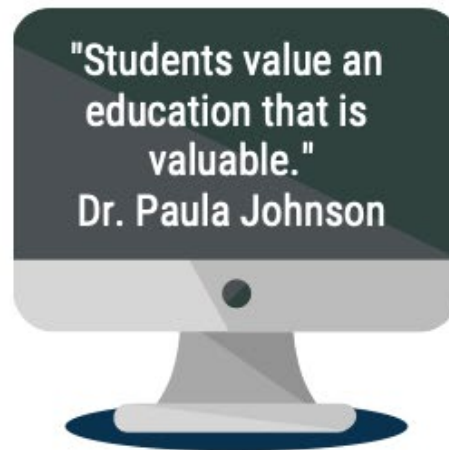
**IDRA**  
Transforming Education

# All students are valuable, none is expendable!



"We are going to open up new opportunities for new kids who maybe never thought they could make it this far. We are going to show them: 'You are somebody, and you will make a great impact on our future.'"

– Middle school Chief Science Officer,  
Alicia DeHoyos, Dwight STEM Academy,  
South San Antonio ISD





**Encourages Peer  
Collaboration**



**Amplifies  
Student Voice**



**Encourages Community  
over Competition**

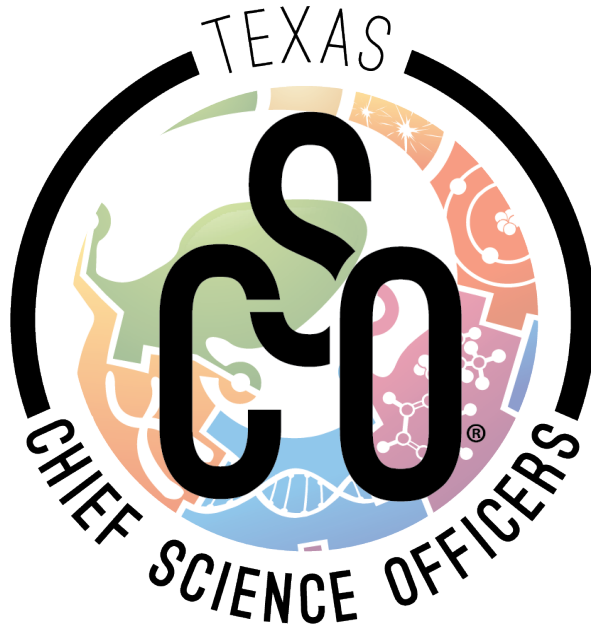


**Builds STEM  
Leadership Capacity**



**Fosters Creativity  
and Innovation**





## Don't Just Hope It Happens, Make It Happen!

**87%**

of CSOs self-reported progress in inspiring their peers with STEM

**95%**

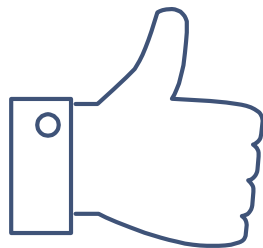
of CSOs expressed increased interest in a STEM Career

**72%**

of adults intend to share the program with their associates after meeting a CSO

**90%**

of CSOs expressed increased connection with the STEM Community



# THANKS!

Any questions?

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