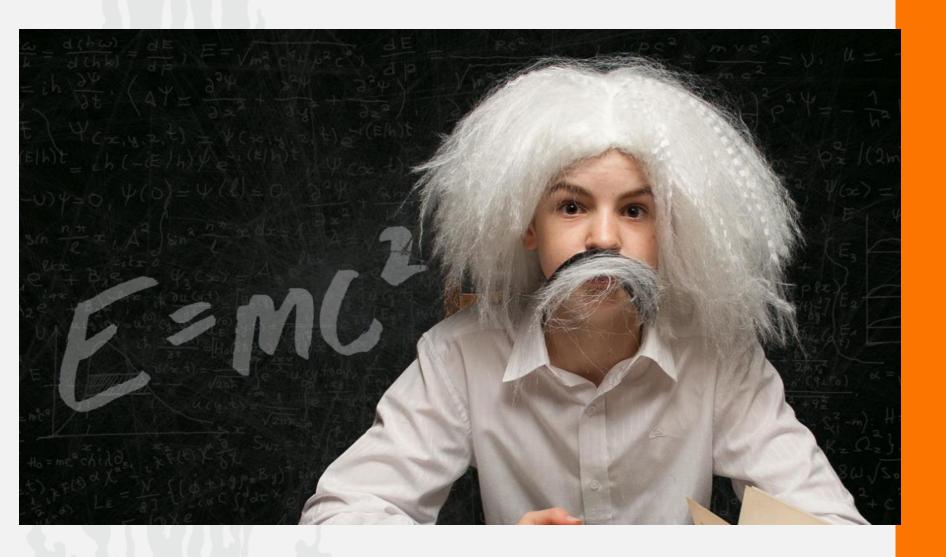


Everything starts with stories The stories we tell ourselves

WHEN I ASK MIDDLE SCHOOL KIDS BOTH BOYS AND GIRLS

"WHAT DOES BEING A SCIENTIST LOOK LIKE?"



This is what they tell me

"Old white guy in a lab coat"

WHEN I ASK MIDDLE SCHOOL KIDS

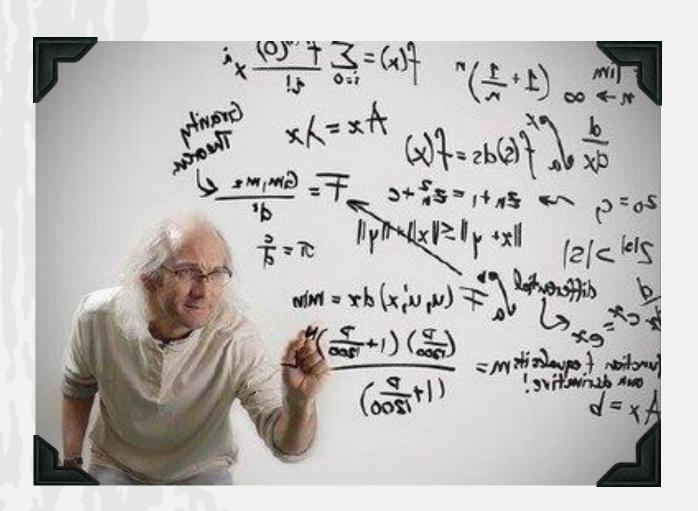
"WHAT DOES SOMEONE IN TECH LOOK LIKE?"



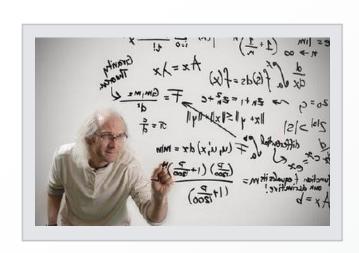
THIS IS WHAT THEY TELL ME:
"GEEKY GUY WITH THICK
GLASSES."

WHAT DOES A MATHEMATICIAN LOOK LIKE?

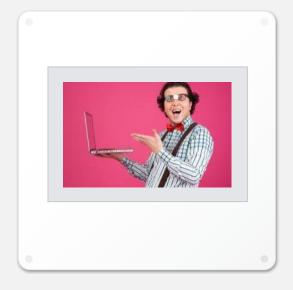
This is what they imagine

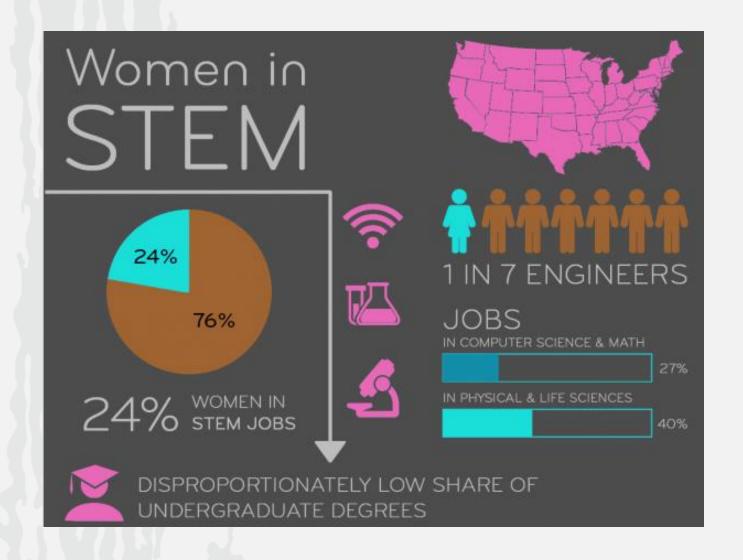


This is the story both boys and girls are telling themselves about STEM

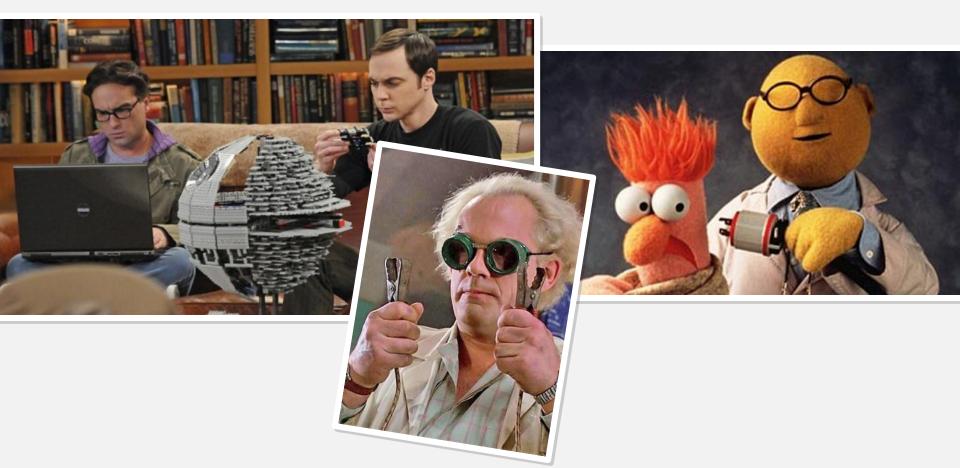








Girls don't see themselves in the picture



When it comes to portrayals of STEM professionals, men outpace women 14.25 to 1 in family films



Girls lose interest in playing video games.



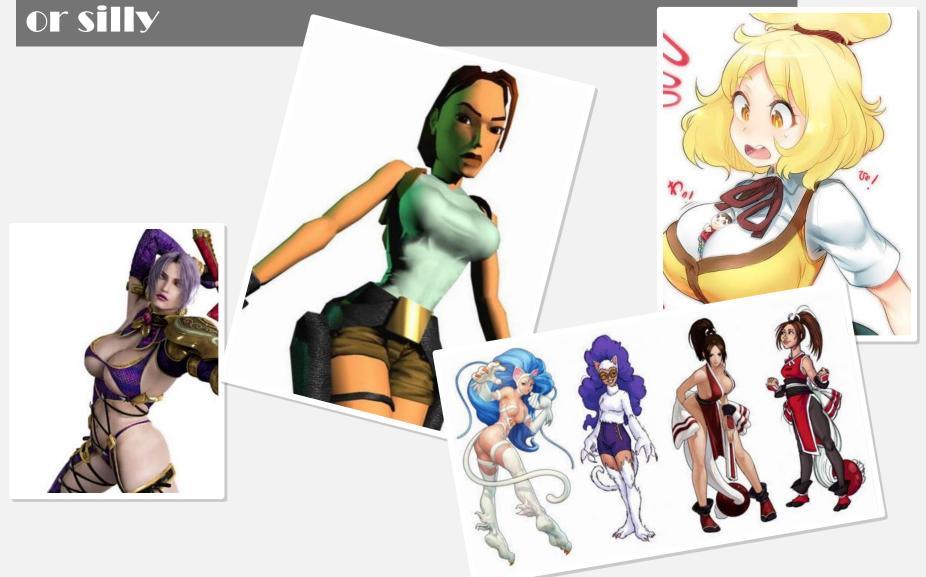






Video games—male characters available for boys to connect with.

Female characters available for girls to connect with are hypersexualized





In middle school girls become focused on personal appearance, relationships and fitting in.



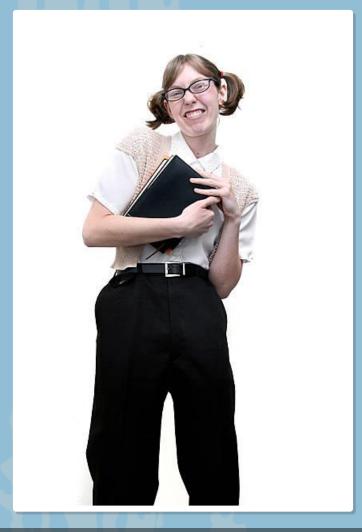
They form opinions about how they see themselves and where they fit in



These stories we tell ourselves about women in STEM are reinforced through media:







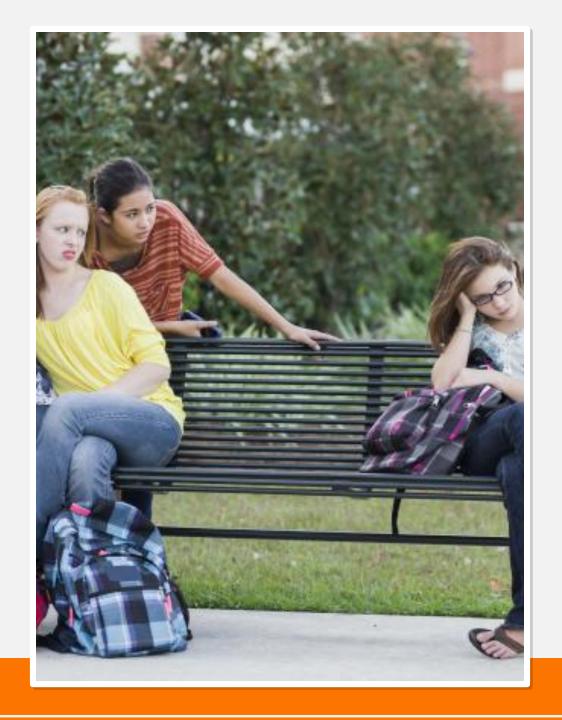
"The smartest girls in my school are not popular."

-Addie age 13



"Science and math are hard and not fun. I want to grow up and do something fun and helpful."

—Bella age 12



Acceptance by the popular crowd is a motivating factor for tweens



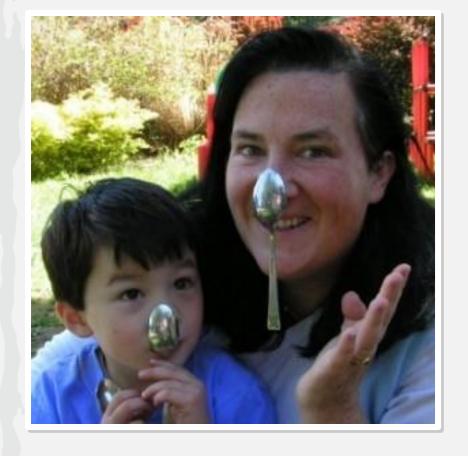
In an effort to conform, girls "lose" interest in STEM

Whatever we say around boys and girls—they're listening



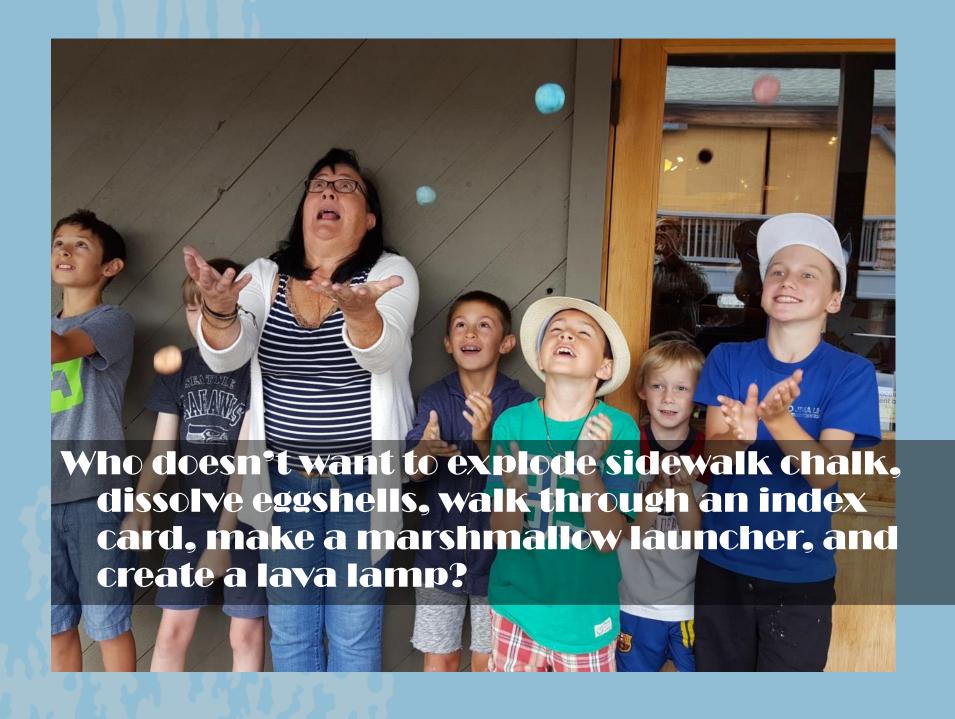


What can we do to rewrite the stories we tell ourselves?



We have to start early and make it fun!

STEM is all about wonder and discovery.



My soapbox:





Let's encourage discovery through play. It gives kids (and their grown-ups) a ticket to be dazzled by the universe and beyond.









Media has the power to provide information and role models that can inspire kids.









We need the talent and contribution of all thinkers and problem solvers.

We can't leave our girls behind.

Promote female role models in STEM subjects:

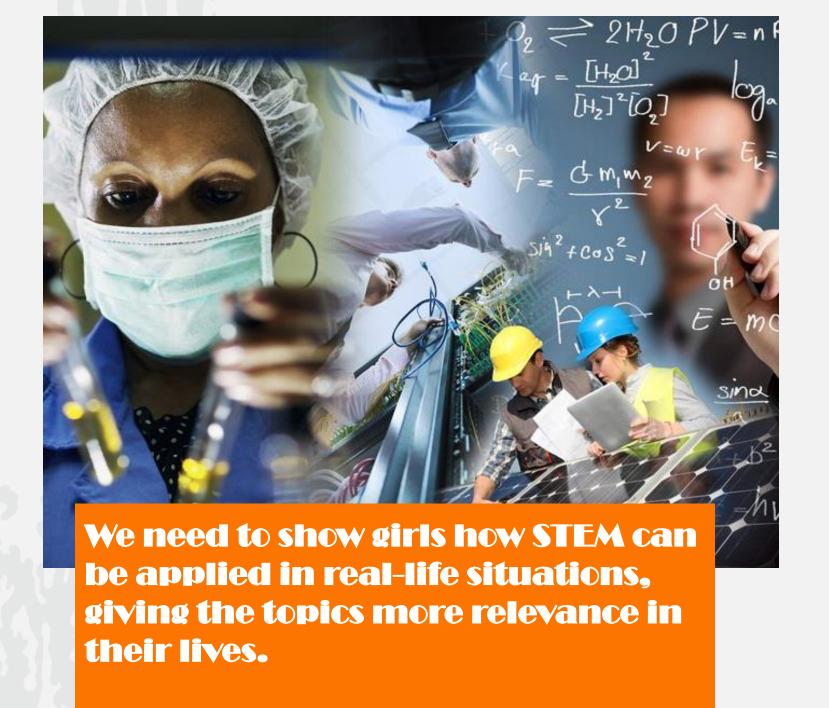
It's much easier for girls to imagine a career in STEM subjects if they see successful examples.















solving is a process.



role models









If you are a serious movie buff of ald Hollywood films, you are sure to remember this actress. But what you may not realize is that Hedy Lamarr has become more known for her technological invention of more than 70 years ago than for her movies. Discover how her science-based creation – now called "spread-spectrum radia technology" – was born from her desire to help the U.S. Navy thwart Nazi submarine attacks during World War II.



"If you want to make a difference in the world –and have fun doing i – a great place to start is as an engineer or scientist!"

- Stephanie C. Hill, computer engineer and Vice President and General Manager, Lockheed Martin's Information Systems & Global Solutions Civil Line of Business

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"Our goal was not only to uncover the truth and the historical record [about the cause of death], but also allow the bodies to 'talk' in the courtroom, and get those bodies back to their families.

ornoon, and ger mose boates back to fine in animals Forensic anthropologist Clea Koff, describing her work with the United Nations in investigating mass graves from genocide killings in war-torn countries - Rwanda, Bosnia, Serbia & Kosovo

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When you look at the stars and the galaxy, you feel that you are not just from any particular piece of land, but from the solar system itself."

- Aerospace engineer Kalpana Chawla, the first Indian-born woman in space, commenting on her historic mission in 1997

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Mentors

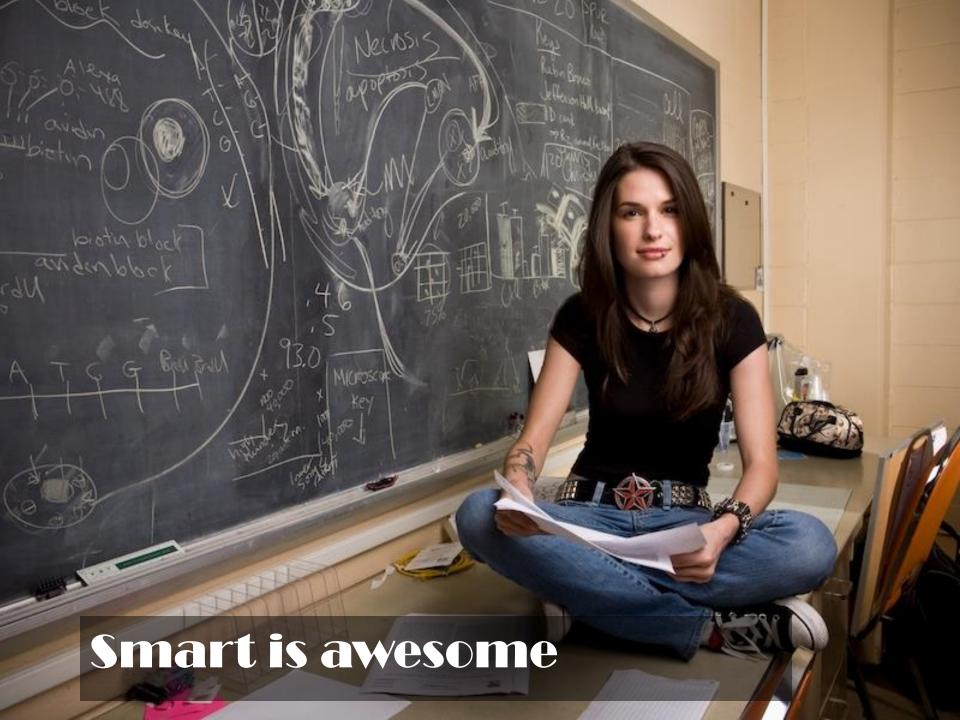
"As a 9-year-old kid growing up on a farm in lowa, I was inspired by the men who walked on the moon. When they picked the first set of female astronauls, I think that was when I decided I really wanted to become an astronaut."

 Peggy Whitson, noted NASA astronaut and biochemistry researcher and the first female commander of the International Space Station

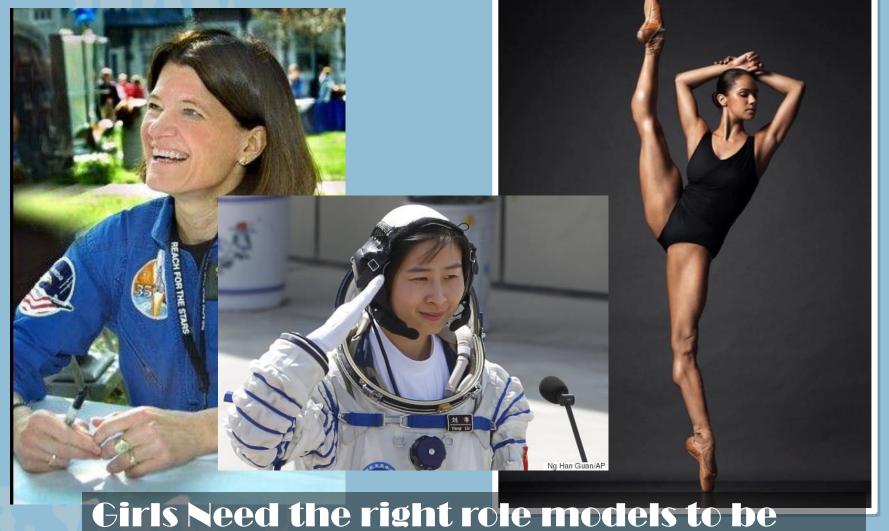
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Girls Need the right role models to be interested in STEM:

Women who are determined to succeed in the face of diversity

Let's change the story we tell ourselves

and our kids

We need to rewrite how we all see women in STEM





And start shaping a change

