

Learning Science

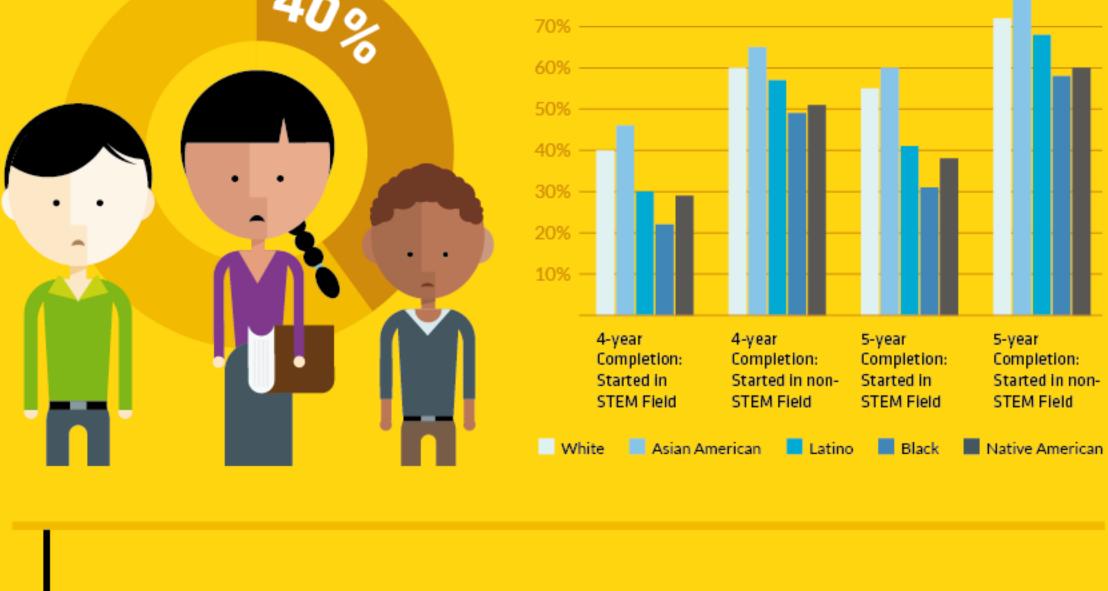
Through Inquiry

## enter college intending to study a STEM field actually end up doing so.

Ada's friends are not so lucky...

70%

Retention rates in STEM majors are low. Fewer than 40% of students who



Ada graduates ready for the workforce

PhD or

Veterinarian

\$82,040



Loan Officer

\$67,960

Bachelor's

STEM career choices: average yearly salaries

Associate's

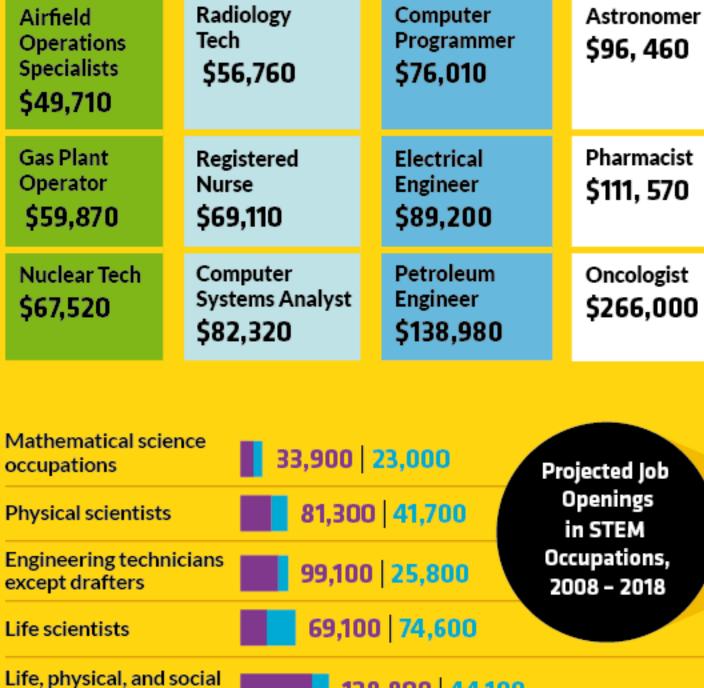
Health Tech

\$41,830

High school

Payroll Clerk

\$38,080



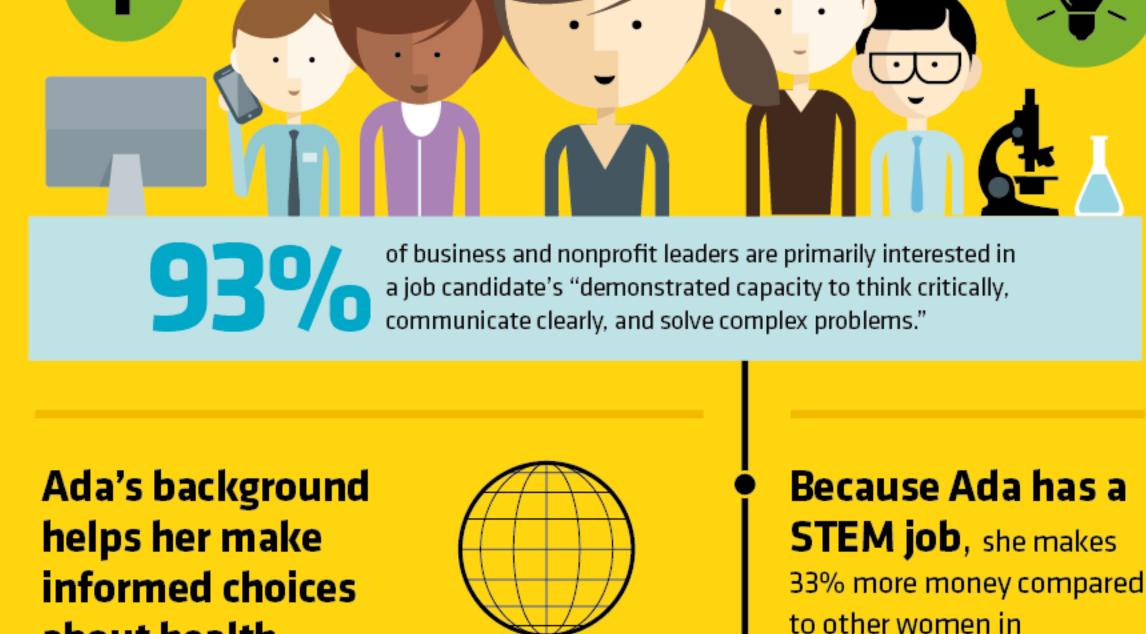
Half of all STEM jobs don't require a Bachelor's degree and pay on average \$53,000. That's 10% higher compared to non-STEM jobs with the same

educational requirements.

Economic forecasts project 128,800 44,100 science technicians a demand for more than one million additional Social scientists and 158,400 | 116,700 related occupations professionals with a degree in science, math, or 353,000 | 178,300 Engineers engineering by 2018. 620,900 762,700 Computer specialists Replacement Needs 2008 - 2018 Growth Needs 2008 - 2018 400 surveyed senior HR professionals

ranked CRITICAL THINKING as the most important skill their

employees will need in the next five years.



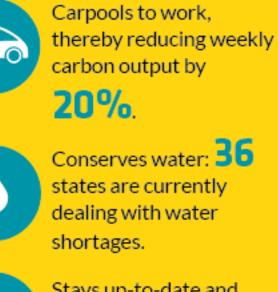


about health

her family.

for herself and

flu vaccine



Being scientifically

literate helps her

be a thoughtful

global citizen.

Average hourly earnings: STEM vs. non-STEM jobs STEM jobs \$36.34 Men \$31.11 Women Non-STEM jobs \$24.47 Men

\$19.26

Women

non-STEM industries.



http://www.brookings.edu/~/media/research/files/reports/2013/06/10-stem-economy-rothwell/data-from-hidden-stem-economy.zip; http://www.brookings.edu/~/media/research/files/reports/2013/06/10%20stem%20economy%20rothwell/thehiddenstemeconomy610.pdf; http://www.whitehouse.gov/sites/default/files/microsites/ostp/pcast-engage-to-excel-final\_2-25-12.pdf; http://thinkwatson.com/downloads/Pearson\_TalentLens\_Critical\_Thinking\_Means\_Business.pdf; Association of American Colleges and Universities (AACU), Apr. 10, 2013. http://www.procon.org/headline.php?headlineID=005174; http://www.carbonfund.org/reduce;

http://www.epa.gov/watersense/about\_us/facts.html; http://www.esa.doc.gov/sites/default/files/reports/documents/womeninstemagaptoinnovation8311.pdf;