

Articles, Websites, Links re: STEAM/STEM for Girls' Education
“Once we believe in ourselves, we can risk curiosity, wonder, spontaneous delight or any experience that reveals the human spirit.” e.e. cummings, author

Articles & Links

http://www.nytimes.com/2015/02/07/upshot/how-elementary-school-teachers-biases-can-discourage-girls-from-math-and-science.html?_r=0&abt=0002&abg=1 (Last paragraph could be a disclaimer.)

http://www.huffingtonpost.com/2015/06/02/textio-itive-bias-software_n_7493624.html?utm_source=June+12%2C+2015-newsletter&utm_campaign=June+12%2C+2015+-+Coalition+Connection&utm_medium=email

Three Astronauts Safely Return To Earth The [Washington Post](#) (6/11/2015 Feltman) “Speaking of Science” blog reports on the astronauts’ return by focusing on Cristoforetti’s accomplishments at the ISS, where she routinely engaged the public and gave “an exciting glimpse of what’s possible for women.” [Public Radio International](#) (6/11, Adam) reports that Cristoforetti is the “pride and joy” of Italy.

http://www.upi.com/Science_News/2015/06/23/Men-think-theyre-better-at-math-than-they-are/2501435086605/

http://learning.blogs.nytimes.com/2015/06/08/activists-for-change-six-short-films-and-teaching-resources-on-womens-roles-in-the-arab-spring/?emc=edit_In_20150611&nl=learning&nlid=53725679&_r=0

<http://www.sltrib.com/news/2639779-155/girls-only-coding-camps-aim-to-calm>

http://www.roanoke.com/news/education/higher_education/nrcc/nrcc-stem-camp-g geared-for-girls/article_13e6d8f6-7b53-5a35-88a6-86670300e3a3.html

<http://news.stlpublicradio.org/post/first-its-kind-all-girls-stem-charter-school-serve-minority-students>

<http://www.medicaldaily.com/women-science-poor-self-perceived-ability-math-leads-less-female-scientists-stem-337222>

Four Female UAV Industry Leaders Profiled.

Matt McCue at [Fortune](#) (7/1/2015) profiles four “female power players” in the UAV industry: Helen Greiner, CEO and founder of CyPhy Works, Dyan Gibbens, CEO and founder of Trumbill Unmanned, Lisa Ellman, law partner at Hogan Lovells, and Sally French, social media editor, MarketWatch. McCue notes that the industry is “in many ways” similar to the rest of the tech world, including the “the dearth of women.” (from *American Institute of Aeronautics and Astronautics* Daily Launch)

These 5 Women Scientists Were “Disruptive”— and We Should Thank Them

(June 12, 2015) Renowned biochemist and Nobel laureate Tim Hunt’s [recent remarks](#) about women scientists made us think we had traveled back in time. Hunt claimed that women in laboratories are “disruptive to the science.”

“Three things happen when they are in the lab,” Hunt said of women. “You fall in love with them, they fall in love with you, and when you criticize them, they cry.”

Hunt’s sexist remarks are part of a long history of gender discrimination against women in science. Popular 19th- and early 20th-century theories held that women were both [biologically and intellectually](#) inferior to men. It was widely believed that women’s generally smaller bodies meant that they had smaller brains than men. Women were also believed to have weaker nervous systems than men, allegedly making them prone to emotional distress and fatigue. These theories contributed to the notion that, rather than in the classroom or workforce, women’s place was in the home, where they could properly channel their energies into reproduction.

Unfortunately, a century later, [many women still have to challenge](#) this sexist ideology [every day](#). But they have strong shoulders to stand on. Here are five AAUW founders and early members who overcame severe gender bias and discrimination to become trailblazers in science. If you would like to continue, here is the link to *American Association of University Women’s* site:

<http://www.aauw.org/2015/06/12/5-disruptive-women-scientists/>

<http://chicago.inno.streetwise.co/2015/07/03/iit-computer-science-camp-aims-to-keep-middle-school-girls-in-stem/> (from *National Council of Teachers of Mathematics* daily “SmartBrief”)

Websites

<http://www.aauw.org/> American Association of University Women

<http://www.steamtable.org/home.html> George Mason University’s STEAM Table in northern Virginia

A new report from the National Science Board, the policymaking body for the National Science Foundation, provides a “data-driven portrait” and “inclusive vision of a STEM-capable U.S. workforce.” *Revisiting the STEM Workforce* examines questions such as: Is there a glut or shortage of STEM workers? Are there skills mismatches? Are we adequately preparing workers with STEM skills? Read the [NSF article](#) about the report and access the report [here](#). (This is from the *National Science Teachers Association*, June 2015.)