Encouraging Girls in STEM

US Workforce

<table>
<thead>
<tr>
<th>STEM Jobs</th>
<th>STEM PhD's Held by Women</th>
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<tbody>
<tr>
<td>Men</td>
<td>Women</td>
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<tr>
<td>Men</td>
<td>Women</td>
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29% Physical Sciences
24% Mathematics
19% Engineering

STEM Fields Gender Gap

- 2:1 Male:Female College Freshmen interested in STEM
- 1 in 7 Women Engineers
- 27% Women Computer Scientists
- 20% Engineering Degrees Earned by Women

The Gap Starts Early: Career Interests

During High School
- Male interest in STEM stays steady: 40%
- Female interest in STEM declines: 16%

8 - 17 Year-Olds
- Interested in Engineering: Boys = 24% vs Girls = 5%

How Can We Encourage Girls in STEM?

- Develop 3D Spatial Skills Early
- Personal Connection with Role Model
- Single Gender Science and Technology Classes
- Showcase Contributions of Women in STEM
- Women STEM Professionals as Guest Speakers
- Discuss Lack of Women in STEM

Created by Nancy Brown  Follow me on Twitter @wordsanerdheard