Sloan Women In Management (SWIM) Breakfast

Kristine Budill, LGO ’93
Director, E.E. Ford Program in Architecture, Engineering & Design for the Common Good
Background
STEAM Education & Innovative Thinking

Art without engineering is dreaming. Engineering without art is calculating.

Steven Roberts
“Women of Conscience and Action”

“Girls with Dreams become Women with Vision”
Active Learning Classes

Girls Who Code . . .
- Intro to Computer Science
- AP Computer Science Principles
- Coding Club

It’s amazing what clever girls can do . . .
- Community Based Engineering Design
- E.E. Ford Program in Architecture, Engineering & Design for the Common Good
- Design Club
Active Learning Experiences

Guest Speakers
• Practicing Engineers
• Experienced Architects/Artists
• College Professors

Dannon’s Pilot Production Plant

Field Trips
• Google
• IBM
• L’Oréal
• Yale Center for Engineering & Design

• MIT Media Lab
• Museum of Modern Art
• Habitat for Humanity

Chemical Engineer: Onna Burleson
West Coast Innovation Tour 2018
Encouraging Entrepreneurship

SHARK TANK COMPETITION

Hema Nambiar (Founder & CEO of 13-One) explaining to our students how to make an elevator pitch for their business idea.
## Expanded Outreach

<table>
<thead>
<tr>
<th>General Topic / Problem</th>
<th>Breakout Topics</th>
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<tbody>
<tr>
<td>Water scarcity</td>
<td>Re-use, Desalination/Filtration</td>
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<tr>
<td>Clean &amp; renewable energy sources</td>
<td>Wind, Solar</td>
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<td>Advanced analytics &amp; AI</td>
<td>Catapult (ML), Networks, Robotics</td>
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<tr>
<td>Infrastructure &amp; Advanced Manufacturing</td>
<td>Bridges, 3D Printing</td>
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<tr>
<td>Transportation</td>
<td>Robotics, Helicopter, Wing Lift</td>
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<tr>
<td>Healthcare technologies</td>
<td>Phototherapy, Sanitation, 3D Printing</td>
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Guiding Principles

• Commit yourself to Lifelong Learning
  • Adopt a Continuous Improvement Mindset
  • Pursue Opportunities outside your Comfort Zone
• Build your Network – Up/Across/Down
  • Listen (at least) Twice as Much as you Speak
  • Have the Confidence to Respectfully Share your Ideas
• Be a “Visionary with the Courage to Change the World”
ANY QUESTIONS?
THANK YOU!

#SLOANIEREUNION