



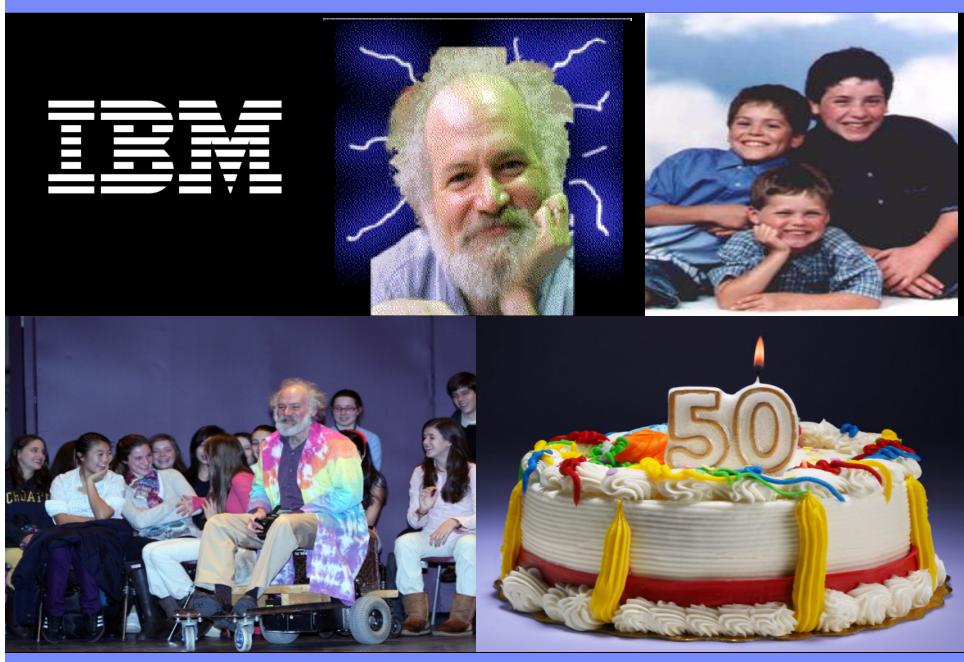
### Kids Today ... Engineers Tomorrow ?

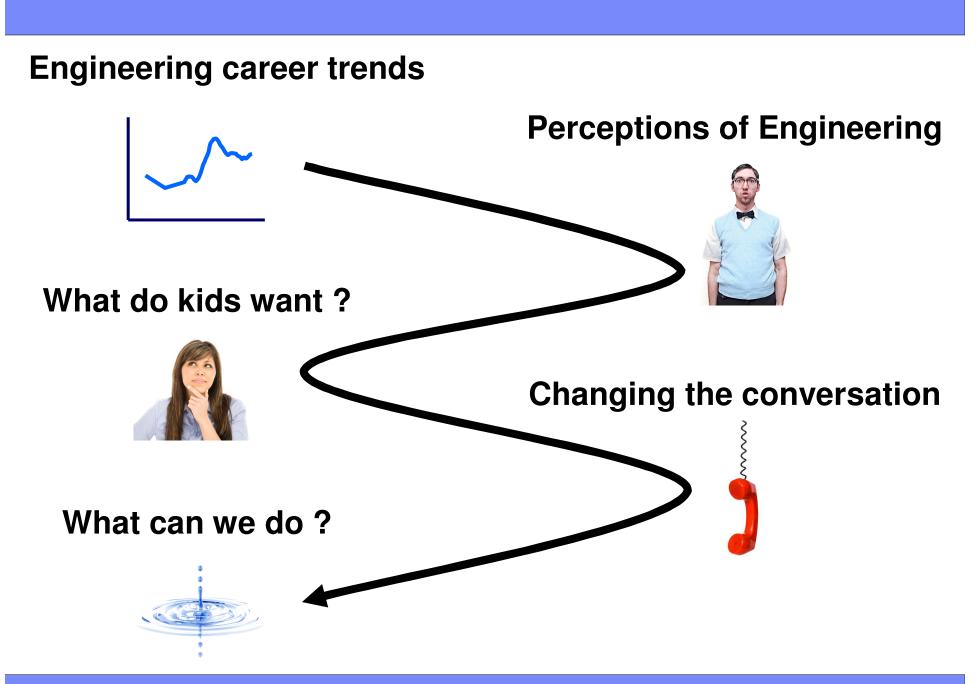
John Cohn Ph.D. IBM Fellow IBM Systems and Technology Group johncohn@us.ibm.com

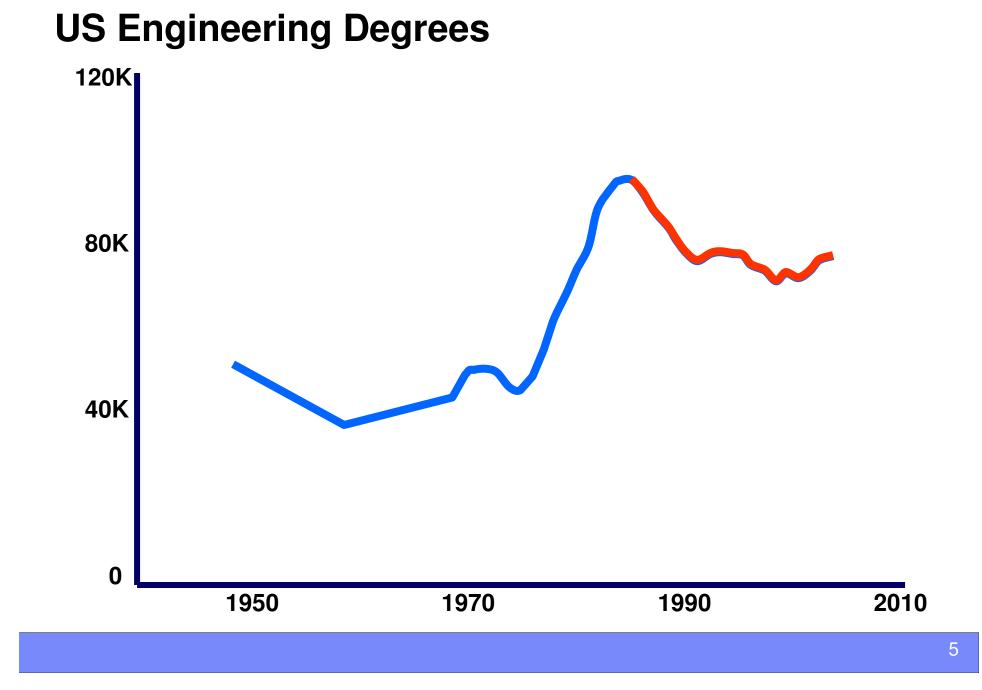


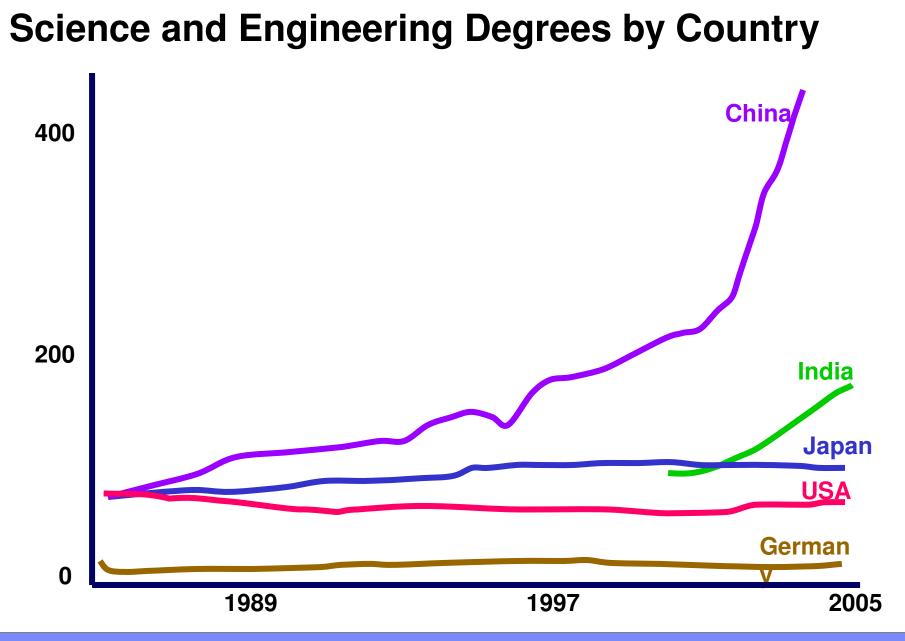
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I want YOU to help ME get kids excited about Engineering Careers

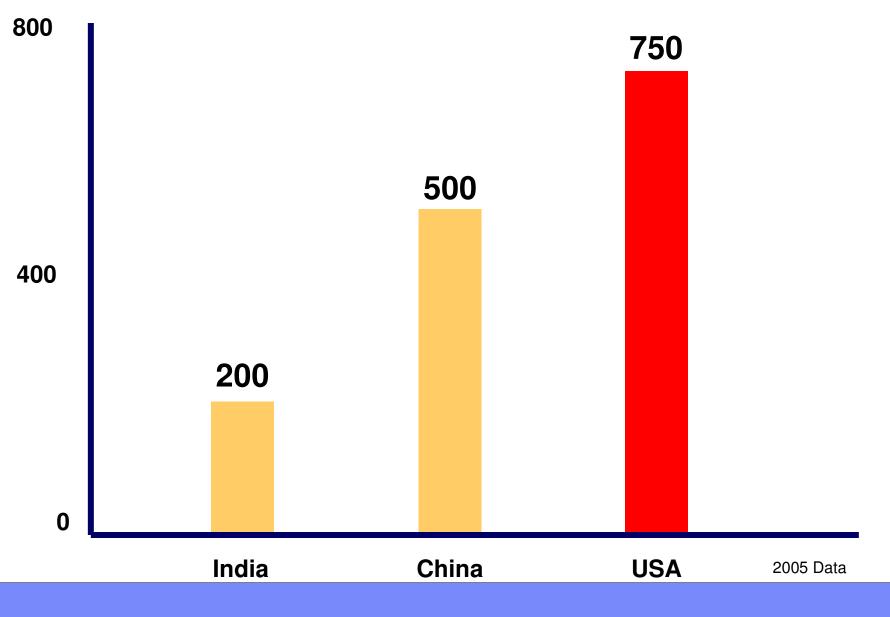








### **Engineering Graduates per Million**



## 22%

## of the world's engineers are women





# 80%

of kids worldwide would not consider a technical career



### **Public Perception of Engineering**

<u>Engineers</u>	<u>Scientists</u>
<b>69%</b>	<b>25%</b>
56%	<b>32%</b>
37%	51%
28%	61%
22%	77%
17%	71%
14 %	82%
	69% 56% 37% 28% 22% 17%

- What they hear:
- 1. "Engineering is hard"
- 2. "Must be good at math and science"
- 3. "It's not for everyone"



#### What they *don't* hear:

1. Creativity

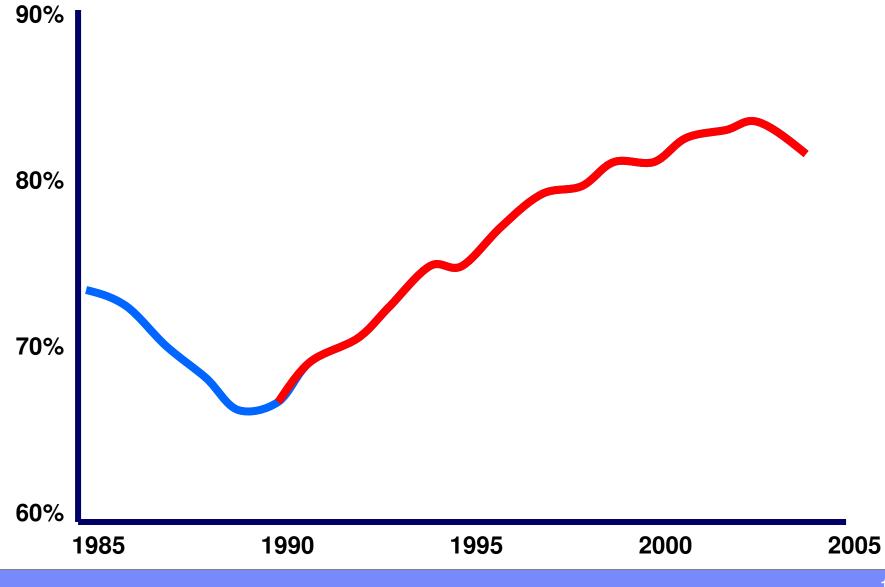




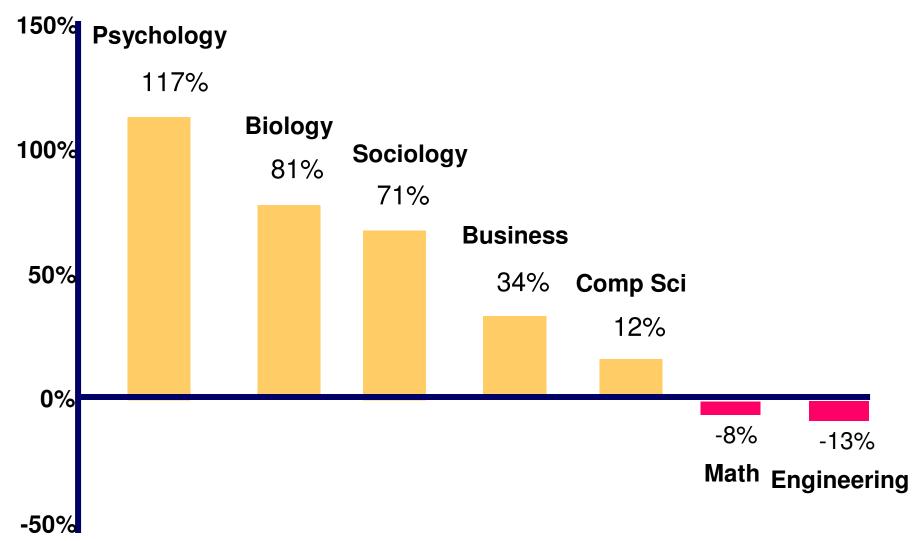
# 85%

of kids worldwide want work that is meaningful and important

### **Volunteerism Rates in US College Freshmen**



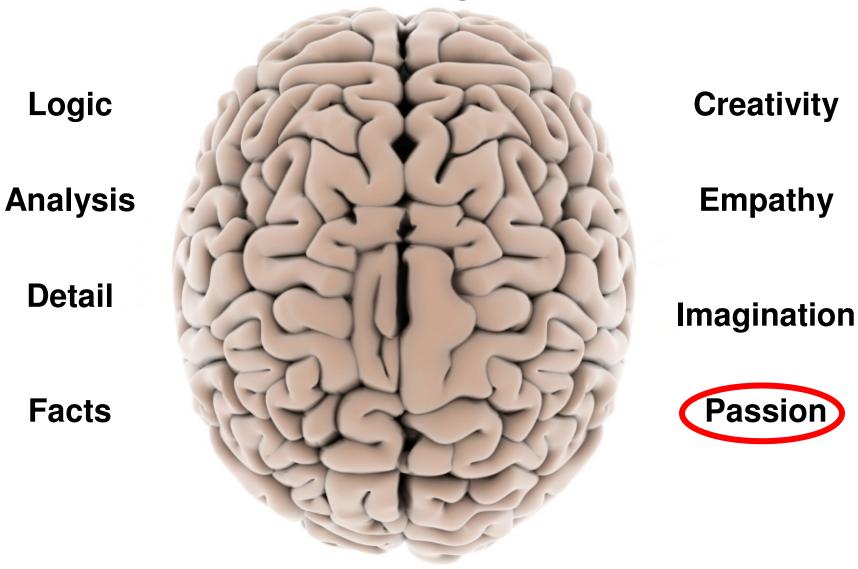
### Change in US Degree Choices 1985-2005

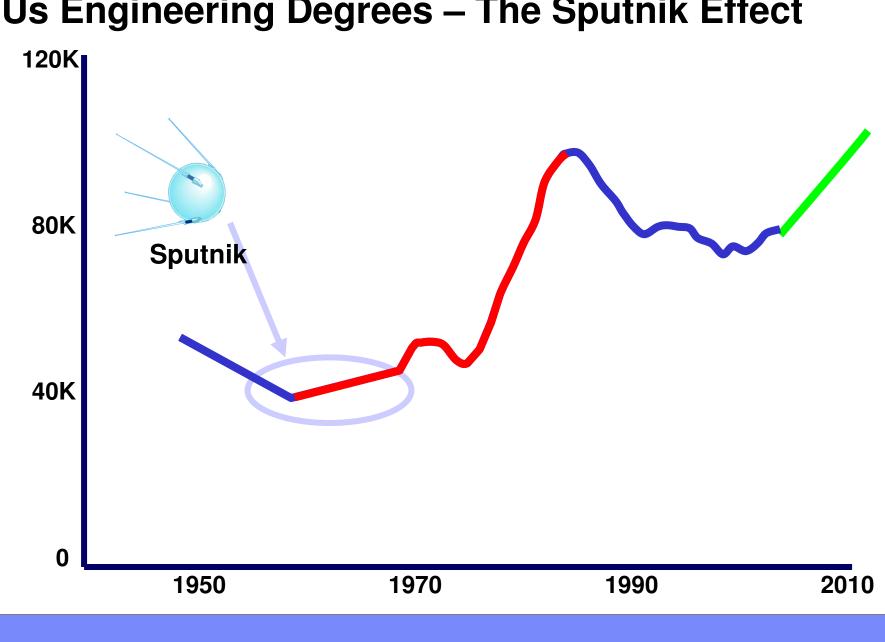


### "We need to change the conversation ...."



### Left Brain | Right Brain





### **Us Engineering Degrees – The Sputnik Effect**

# 79%

of kids worldwide believe that we must address environmental and energy issues

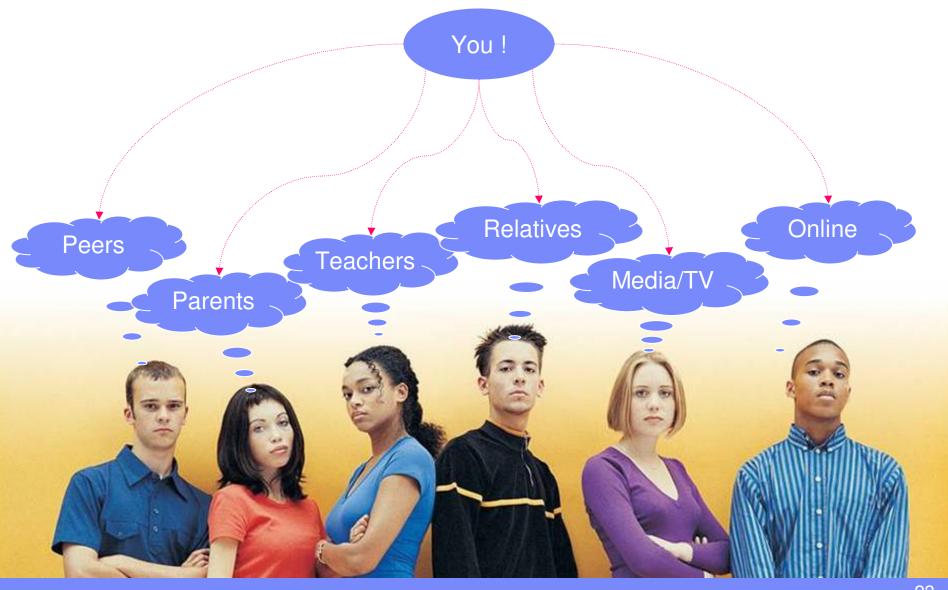




"We will pool all our scientific, technical and managerial talents, with financial sources, to develop solar energy as a source of abundant energy to power our economy and to transform the lives of our people"

Indian Prime Minister Manmohan Singh

### How do you fit-in ?

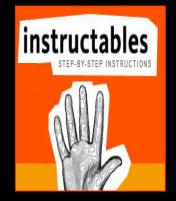




### **In Your Home**



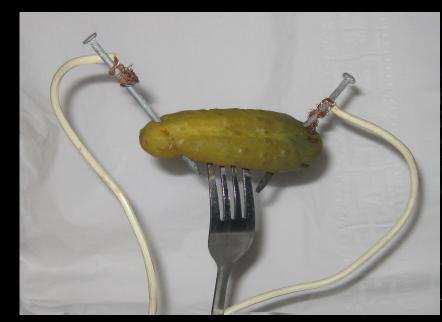






### **In Your Schools**





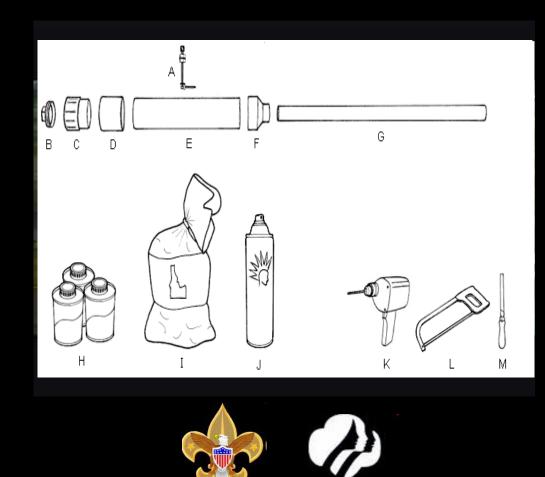






### In Your Community







### In The World











"Never doubt that a small group of thoughtful, committed citizens can change the world. .....

Indeed, it's the only thing that ever has." -Margaret Mead