

## **Outreach Talking Points Dos and Don'ts**

**Do** ask students what they are passionate about.

**Do** ask them if they want to make a difference.

**Do** ask them if they want to make life better for people and protect the Earth.

**Do** speak about the social and environmental impacts of your work and that of others in the professions (safe water supply, reliable power, renewable energy, energy efficient building, vehicle efficiency, transportation safety, reliable communications, community design, sustainable food sources, cure for cancer and Alzheimer's, etc!)

**Do** speak about global opportunities available to engineers.

**Do** speak about opportunities to work in teams and independently.

**Don't** speak about "being good at science and math" as the first or main requirement to be a good engineer.

**Do** speak about how everyone must work hard at science and math at some point and that learning to learn is as valuable if not more valuable than being or feeling "naturally" good at it.

**Do** talk about being "engineering ready" by taking chemistry and physics grades 11 and 12 and working toward high marks in math and English (which will likely be a requirement at the University of Manitoba by 2021). Physics is a significant drop off points for high school students in the pipeline to an engineering career. If speaking to grades 11 and 12 let them know its not too late if they haven't started on physics or chemistry – it's never too late to take the courses!

**Do** speak about all the other things that engineers do including communicating, relationship building, collaborating, critical thinking, and strategic planning.