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**Achieving the SDGs through STEM**

* The SDGs were based on the millennium development goals, that ran until 2015
* they seen that if they were moving forward, goals must fit EMDCs and ELDCs
* Governments, peace and partnerships
* 17 goals but 100+ indicators

**Why is STEM needed?**

* everything involves science, tech and innovation
* In area of health, HIV is still a problem: this can be controlled now by four injections a year, creating prevention, created through innovation
* In education, having younger generation get STEM education to help solve these problems
* Environment conscious designers and engineers
* Everyone has a role to play for solving the SDGs
* Tropicana bottles example
* What opportunities and challenges?

**STEM and commercial**

* Innovation engine, think outside your comfort zone
* Wearables for good, children with no medical records
* By focusing that you can apply your solution to developing and developed countries
* Think about challenges as opportunities
* You can design things for social impact as well as for business
* Problems have to be driven by the community they are for, designed with them, not for
* Don't try and boil the ocean

**What are key skills for the SDGs?**

* Study and learn what you like to do
* Think what you can impact in your local community
* You have to get though some bad parts to get to the good parts, but do what you like to do
* Collaboration is key
* Entrepreneurship, communication are other key skills
* We communicate science badly - we have to learn to do a much better job
* Have a sense of humour, be positive, have a lot of energy, keep it simple
* Be able to communicate properly
* You are going to work with people who are not in your field

**Do you really need tech for the SDGs?**

* gut check yourself in the innovation space
* Tech can be used to take the complexity out of a problem
* Technology is a tool, not the answer
* You need the human side just as much, if not more
* There is no specific SDG about technology
* In India technology has made a big difference as well as the social factors

**How can your actions promote sustainability?**

* when developing the SDGs, all sorts of groups were involved
* You have to have the local population involved; without engagement, there is no support for the project

**General**

* the SDGs are global goals: they apply to New York as much as Kenya
* They aren't bringing all countries to the same level, and differences between the countries will still exist
* It's about wellbeing, not just economic development
* Science and the private sector should focus on the SDGs to ensure technology doesn't go too far or in a dangerous route
* There is a fear factor in science, so we must work together with policy makers and the public