Unsustainable Course with Technology

Team 2:
Kevin Bannon, James Kidd, Colleen Gillmann, and Mohammed Almahasnah
Important Things I Want in Life

- Personal: I hope to have a family. I would also like to continue practicing my religion as a Roman Catholic.
- Social: I hope to stay in touch with current friends while also continuing to meet new people.
- Material: Adequate living situations for my family.
- Work: Obtain a job in the mechanical engineering field that I enjoy going to everyday.
- Recreation: Have an active and healthy life.
- Political: I hope to be an educated voter who is active in the community.
E-waste

• Best described as discarded electronic devices
• Many items have high concentration of lead and phosphorus which is dangerous for people trying to recycle the objects
• Also dangerous waste in land fills
• Caused by the rapid development of new technology
• U.S. is estimated to throw out 3 million tons of electronic devices a year.
• As more countries move into a more modern lifestyle with technology more waste is created
• This waste is causing many pollution problems by affecting air and water supplies

E-waste photos
Mohammed’s Goals

- Personal expectations: To have a successful and stable interesting life.
- Social life: To be able to balance my career life and social life.
- Material life: Be able to have a new house.
- Work goals: To have an engineering job that appreciates my knowledge.
- Recreation: Playing soccer, running, traveling.

Political life: I used to care a lot about national and global conflicts, but I gave up on politics and I do not care much now.
Observation

In some counties, in Saudi Arabia in particular, natural changes have been observed over the last decades since the extract of oil.

- Wells dried, air polluted, and agricultural resources were affected due to the huge consumption and extract of oil
Lack of natural sources

- Oil has been used as it was finite. In the U.S., an average of 18.5 million barrels of oil were used in 2012 and 12 million barrels were extracted.
- Global warming’s main cause is the increase emission of carbon dioxide.
- Developing countries are the most affected by global warming.
Resources

- http://www.eia.gov
James Kidd

- I want a life filled with happiness through achieving everything I want in life.
- My social life revolves around attending Penn State and my fraternity.
- I own relatively few items compared to what I imagine I will compile later in life.
- I work at a paid internship at AMG Vanadium that is a foundry that produces the element Vanadium.
- Some of my current recreational activities include skiing.
- I am still currently developing my political ideas.
Pollution

Society is currently in an unsustainable course with technologies in

- Manufacturing
- Material Possessions
- Living conditions
Pollution in Manufacturing

- **Air Pollution**
  - heating raw materials can produce harmful pollutants like sulfur dioxide.

- **Water Pollution**
  - some manufacturing processes use large quantities of water and then release this water back into the ecosystem carrying harmful pollutants picked up through the process.

- These types of pollution are very relevant to the internship that I am involved in.

**Source:** [http://smallbusiness.chron.com/manufacturing-pollution-37013.html](http://smallbusiness.chron.com/manufacturing-pollution-37013.html)
Pollution in Material Possessions

- The desire for material possessions
  - People want to live a luxurious life
    - this leads to **Increased destruction of Nature**
      - Example: More material possessions relate to more manufacturing of goods

- I have the same desire for material possessions that lead to more manufacturing and more pollution

Pollution in living conditions

- Cities and High Population Density Areas
  - Higher densities mean more pollution
    - Example: large concentration of cars equates to lots of exhaust pollutants
  - Burning of fossil fuels in Office buildings and homes
    - the burning of these fuels usually revolve around heating, other sources are from generating electricity
  - Incinerating Garbage
    - Lots of garbage that needs to be burned to conserve space
- Living at Penn State accompanies many of these pollution problems.

Colleen's goals

• Personal: I hope to live a successful life and overcome my extreme shyness.

• Social: Family is very important to me, and I prefer to have a close knit group of friends as opposed to several distant friends.

• Material life: I want to live comfortably. Nothing too overwhelming but also not too small. Hopefully a nice house in Seattle.

• Work/Occupation: I want to be a chemical engineer however I don’t know the specifics yet.

• Recreation/avocation: I like to spend time with friends, play volleyball, and play video games.

• Political Life: I just want to be able to keep up with local government issues as well as large scale issues.
Reliance on Technology

So many people in America rely on technology now more than ever.

People continually become less capable of holding face to face conversations because they don’t really need to have any physical interactions. This is especially important for job interviews.

People are also starting to develop shorter attention spans because everyone is so accustomed to doing something at all times.

Not only that but people are becoming more lazy because of how easy everything is becoming. You can buy everything you could ever want through the internet and with the increase in smart phones you can do almost anything in the palm of your hand.

Lastly, people are becoming more irritable while using their phones or the internet at all. Even if a teens parent asks them to do a simple task like take out the garbage, they will give a disrespectful response.

http://www.edudemic.com/the-4-negative-side-effects-of-technology/
How these issues interrupt my goals

• One of my main goals is to be less shy and the fact that so many people use and rely on technology makes it really hard to break out of that shell.
• For my family/friends and social goals I definitely have a lot more fun when everyone's phone is away and we are able to have a good time because we aren’t so focused on it.
• In order for me to be successful its important that I don’t become lazy because of how easy technology makes everything.
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