

High Tech Impact Class Handout – Week Two

Weeks Two & Three Topics

Wk 2.1 Employment/Economics

Wk 2.2 Education/Cognition

Wk 3.1 Social/Community/Family

Wk 3.2 Ethics/Privacy/Security

Your Stories

Do you have personal experience / “stories” you can share about the topics for this week, or for next week? And remember 3rd Age stories for Week Four.

Globalization

Cost to move stuff and information drives, is driven, by globalization. You may be uncomfortable, but it's an (almost) inevitable part of our world.

Employment/Economics

- All routine work is at risk. In days gone by, only routine (brute) physical work was at risk, but today all physical and mental routine work is at risk.
- Figure/Ground shift – the experts needed to recognize / understand the context, “everyone” has access to the “facts”.
- Path to many professions at risk. Employment of many formerly “skilled” workers at risk. Growing compensation disparity.
- We see / invent patterns, but aren't good at details. Computers not (yet?) good at inventing patterns. But they're great at details.
- Big Data is coming, with consequences that are difficult to predict.

Your Observations ...

Education/Cognition

- “Google” is there to check whatever is professed.
- The drive to study STEM is reduced in advanced economies. The need for intrinsic rewards proves “difficult”, e.g. “new” math.
- No need for the sage on a stage. But too few are ready to be the guide at the side. High exposure, lack of comfort saying, “I don't know.”
- Zone of proximal development and problem based learning. Danger that teachers will not be comfortable, and their students will recognize it.
- 4 R's: Reading, 'Riting, 'Rithmetic, Recokning

Your Observations ...