

Homework 10 – Introducing Systems Dynamics Archetypes

Read "Solving the Wrong Problem: How Good Habits Turn Bad" from Sustainability by Design by John Ehrenfeld, and be prepared to discuss the following:

- What does the author mean by reductionist thinking?
- Why does the author put "side-effects" in quotes?
- Can you think of a solution to an environmental or social problem that fails to address the fundamental cause?
- Can you think of a solution to an environmental or social problem that actually does address a fundamental cause?
- Can you identify a "fix that fails" systems dynamics example (figure 2) from your life or studies. Draw the causal loop diagram.
- Can you identify a "shifting the burden" systems dynamics example (figure 3) from your life or studies (the examples presented in tables 1 and 2 are fine to use - or use your own). Draw the causal loop diagram.