Principles of Engineering—Technology Systems Day 2

*Key Terms*

Production processes- part of the whole manufacturing process running directly in the production area of an enterprise

Management process-  is a process of planning and controlling the performance or execution of any type of activity

Intended outputs- are results in which are expected by the producer

Undesirable outputs- are results in which are not wanted or unexpected by the producer

Feedback types:

Open-loop- A control system that does not have a feedback loop and thus is not self-correcting.

closed loop- A control system with an active feedback loop.

Pollution- the act of polluting or the state of being polluted

*Questions*

Summarize the difference between natural and technological systems.

The difference natural and technological are that natural systems occur in nature and are a cycle that continue without help from an outside force, where as technological systems are manmade such as in computers and sometimes need outside direction.

Explain the difference between production and management processes.

Product processes are dealing with the whole process of the production where as management process deal with only the planning process of a product

Please list all the ways pollution is created by the school and its operations.

Waste paper, plastic bottles, plastic components from pencils-pens-computers, and leftovers from breakfast and lunch.

*Competition Activity (2 Teams)*

Prepare a poster that will help elementary school students understand the goals, inputs, processes, outputs, and feedback of technological systems. Examples: Restaurant or a factory

FYI, the winning team will receive a 5 point bonus on the first test grade!