What is an Assembly Line?

* Manufacturing process in which interchangeable parts are added to a product in a sequential manner.

* The process is carefully planned to create a product much faster than handcrafted products.
Best Known Assembly Line

* Moving assembly line (like in I Love Lucy clip).

* Moving assembly line was instituted by the Ford Motor Company between 1908 and 1915.

* The product moves to different stations. A piece of the product is installed at each station.
Benefits of Assembly Line

* Products made faster...remember... 
  time = money!

* Increased the affordability of products

* Industries could pay their employees more
Chemical engineers take a product and figure out how to make a lot of that one product, and ensure consistency.

Chemist would make oil sample, chemical engineer would figure out how to make large batches of fuel available to everyone.
Chemical Engineering & how it relates...

* Pop tarts example
* Goldfish example
Wednesday’s Activity

- You will be divided into two cookie companies.
- The cookie company A will have each person individually prepare a set list of cookies
- The cookie company B will work as a team in an assembly line procedure and will all work to fill the order
- At the end of the period, we will see if the assembly line produced more cookies.
- REMEMBER - the assembly line team will have to work as a team and divide the tasks evenly and reasonably.
- Everyone must work together and stay on task for this activity to work.
- Yes, you will get to enjoy your cookies!