**Engineering Design Process Notes**

* What is it?
	+ A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ method.
	+ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ use design processes to find \_\_\_\_\_\_\_\_\_\_\_\_\_\_ to technological problems.
	+ Most products were probably developed using process like this one.
* Solution could be an…
	+ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_: Improving upon an existing process or product
	+ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_: Creation of a product or process for the first time
* \_\_\_\_ STEPS arranged in a \_\_\_\_\_\_\_\_
	+ It is likely that you will move through the loop \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ before solving a problem in the \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* Step 1:
	+ \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_: a written plan that identifies a \_\_\_\_\_\_\_\_\_\_\_\_ to be solved, its \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (desired specifications), and its \_\_\_\_\_\_\_\_\_\_\_\_\_ (limitations).
	+ Gather information
	+ \_\_\_\_\_\_\_\_\_\_\_\_\_\_how we can solve the problem.
	+ May want to consult an \_\_\_\_\_\_\_\_\_\_\_\_\_ in the field or \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_: library, books, magazines, articles, web sites, encyclopedias, research reports, etc.
	+ Make a \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ of all the information gathered and cite the sources!
* Step 2:
	+ \_\_\_\_\_\_\_\_\_ ideas should be written down, even the ones that seem \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	+ Ideas need to be down on paper in some way so they are not forgotten
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* Step 3:
	+ Narrow down your list of ideas
	+ Choose the\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to pursue
	+ Use a \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ to choose a final solution
		- \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ A tool used to compare ideas against one another using specific \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	+ A good way to design the solution is to create a series of sketches that increase in detail.
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	+ \_\_\_\_\_\_\_\_ \_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_: list of materials needed to construct the solution (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_).
* Step 4:
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		- Example of the final product
		- It is built to undergo \_\_\_\_\_\_\_\_\_\_\_\_ before the product goes into full production.
	+ - Looks like the final product
		- NOT \_\_\_\_\_\_\_\_\_\_\_\_
		- NOT \_\_\_\_\_\_\_\_\_\_\_\_\_
	+ Record \_\_\_\_\_\_\_\_\_\_\_\_\_
* Step 5:
	+ \_\_\_\_\_\_\_\_\_ the results!
	+ What \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ need to be made?
	+ Pursue an \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_?
	+ Make \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_?
	+ Focus on making your solution \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Step 6:
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