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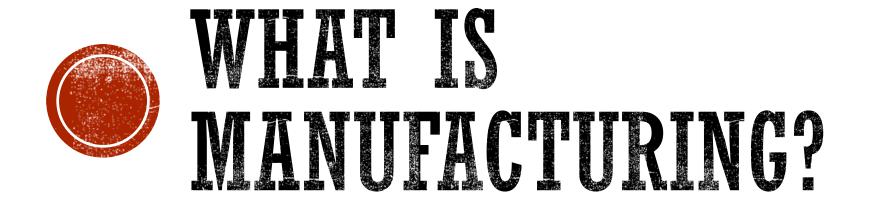
WHAT DO YOU WANT TO BE WHEN YOU GROW UP?



DON'T WORRY TOO MUCH IF YOU DON'T HAVE AN ANSWER TO THE PREVIOUS SLIDE VTT







WHAT IS MANUFACTURING?

- Definitions:
 - Make (something) on a large scale using machinery
 - Invent or fabricate
- Synonyms:
 - Make
 - Produce
 - Build
 - Assemble
 - Put together
 - Create



WHAT IS MANUFACTURING?

- Close your eyes
- Think of manufacturing (or a factory)
- Get a mental image





WILL ANYONE TELL ME WHAT THEY SEE WHEN THEY CLOSE THEIR EYES?

DID YOU THINK OF THIS?



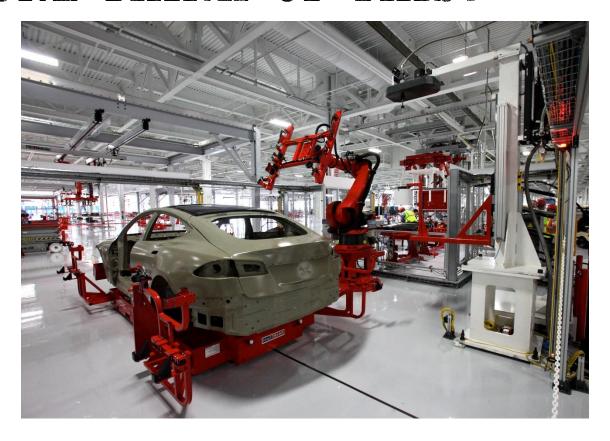


WHAT ABOUT THIS?





DID ANYONE THINK OF THIS?



Tesla Factory in Fremont California

*image from http://en.wikipedia.org/wiki/Tesla_Motors



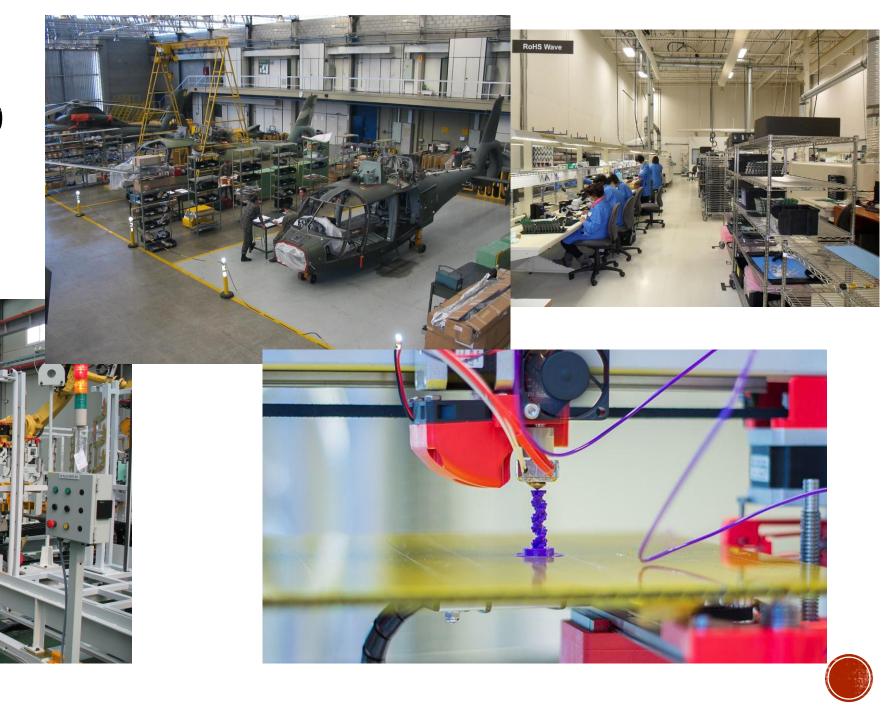
OR THIS?



GE Aviation Plant in Cincinnati Ohio



OR THESE?



Manufacturing is not what you see in TV and Movies



- High Tech and High Skill (STEM Skills)
 - Reading, writing and math*
 - Technical and professional skills (computer and other technical knowledge required) *
 - Self-motivation, teamwork, time management and communication*
 - Problem-solving*



- High Pay
 - Average salary-and-benefit package for manufacturing workers was \$62,700 in 2003²
 - The national average for all jobs was \$51,000²

- Opportunities
 - Tuition Reimbursement
 - Advancement
 - On the Job Training
 - All levels of employment from entry level to CEO



A SHORT LIST OF AMERICAN MADE PRODUCTS

- Intel Computer Chips
- Airstream Campers
- K'NEX construction toys
- Tic-Tac-Toes dance shoes
- Wiffle balls and bats
- Crayola crayons
- Motorola Moto X smartphone
- Tesla cars



DON'T RULE OUT A CAREER IN MANUFACTURING IF YOU LIKE...

- Working with your hands
- Working with computers
- Working with technology
- Fixing things
- Taking things apart
- Art and design
- And the list goes on and on...







WHAT ARE THE THINGS YOU COULD DO ALL DAY, EVERY DAY... AND NEVER GET BORED?





VIDEOS

- Tesla Motors Part Behind the Scenes of How the Tesla Model S is Made
 - http://www.youtube.com/watch?v=8 lfxPI5ObM
 - http://www.youtube.com/watch?v=TEReFPI4jSc&list=PLibNZv5Zd0dyFUng67FN0QsaIa0z yc1WB
 - http://www.youtube.com/watch?v=YVqlZO7tHFE&list=PLibNZv5Zd0dyFUng67FN0QsaIa0 zyc1WB&index=10
- Additive Manufacturing The Next Industrial Revolution
 - http://www.youtube.com/watch?v=l0SXlkrmzyw
- What Is It Like To Study Manufacturing
 - http://www.youtube.com/watch?v=Y5r9O36zrpE

