

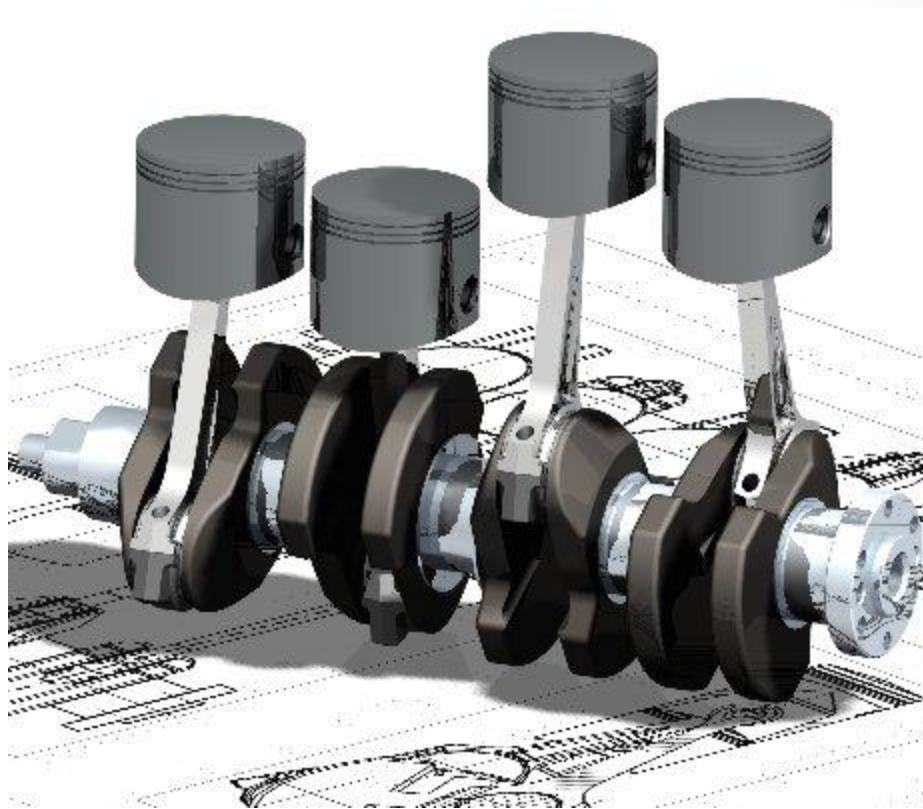
Mechanical Engineering

Jared Forbes



Outline

- Training Needed
- Job Specifics
- Job Tasks
- Types of Companies
- Types of Products
- Bibliography
- Questions



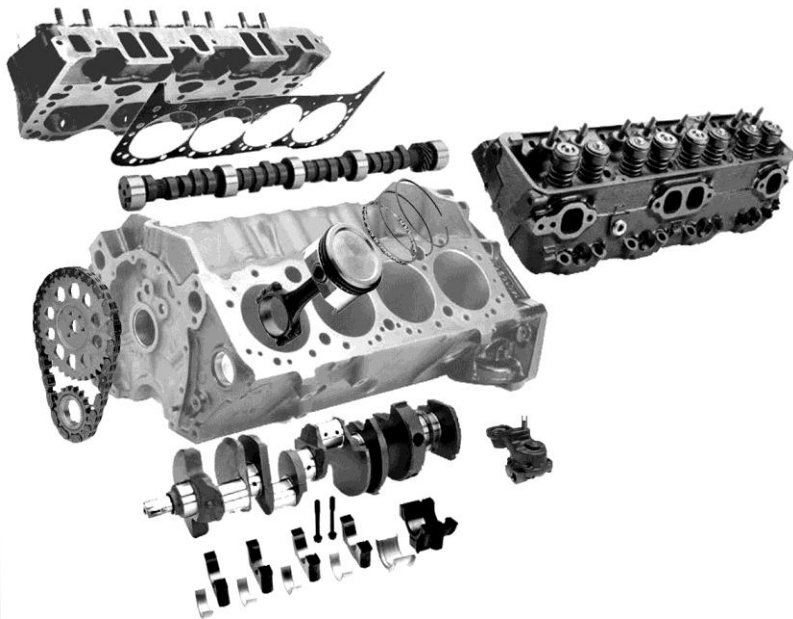
Training Needed

- It is required to have at least a bachelor's degree from college
- As well as basic understanding of civil, electrical and chemical engineering is required
- Average annual salary of \$78,200
- Mechanical engineers living in the District of Columbia, Idaho and Colorado earned the highest average annual salaries in 2008



The Nature of the Work Job

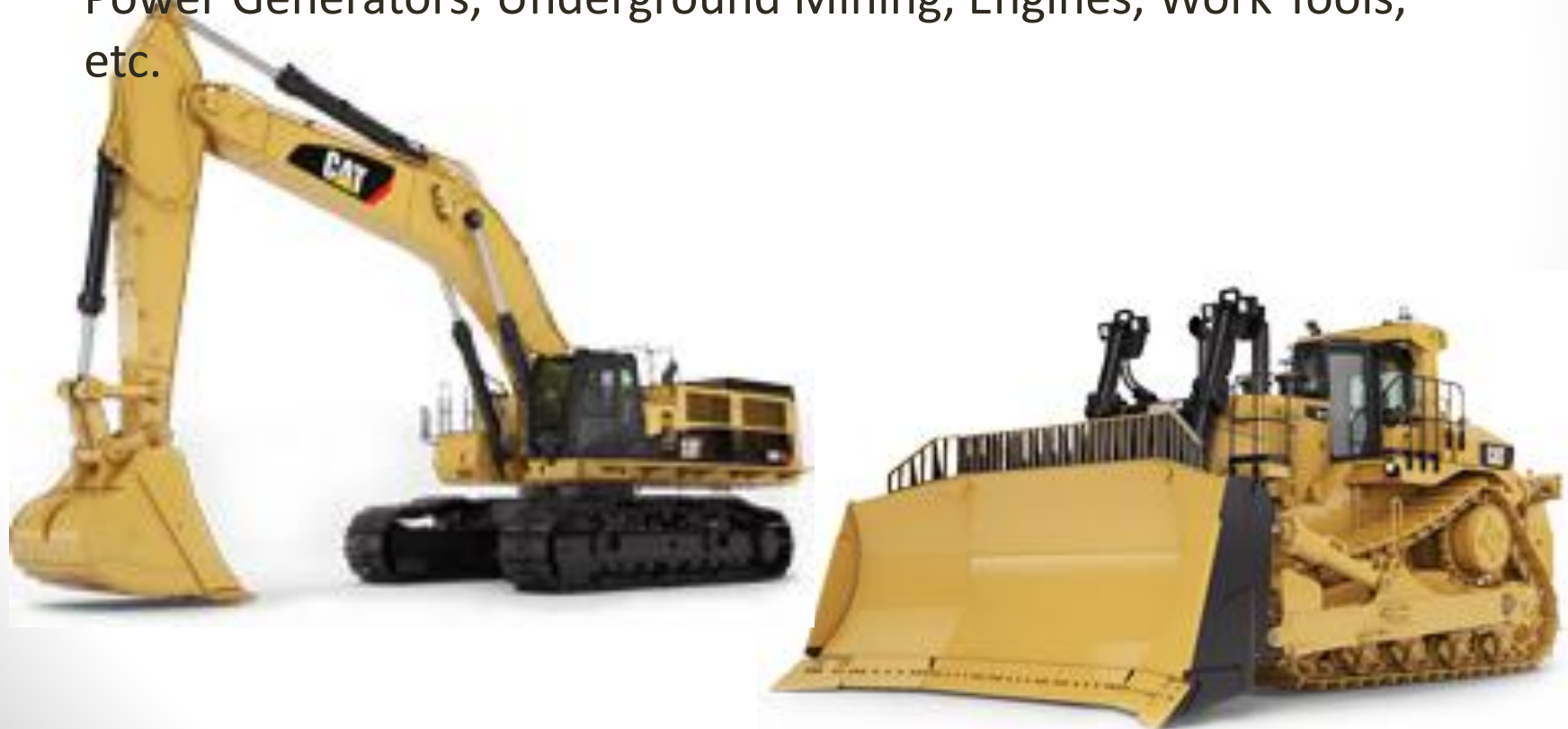
- Mechanical engineers specialize in: thermodynamics, fluid mechanics, material science, mechatronics/ robotics, drafting, instrumentation, energy generation, HVAC, vehicles, aircrafts, etc.
- They can design: turbines, reactors, engines, cars, rockets, missiles, guns/artillery/tanks, boats/ships, gears, bearings/bushings, tools, etc.



Company and Product(s)

Caterpillar Inc.

Products: Hydraulic Excavators, Wheel Loaders, Track-Type Tractors, Skid Steer Loaders, Backhoe Loaders, Motor Graders, Power Generators, Underground Mining, Engines, Work Tools, etc.



Company and Product(s)

iRobot Inc.

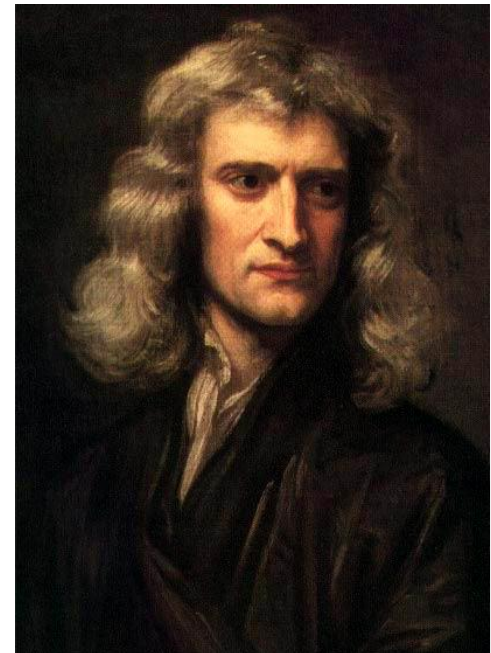
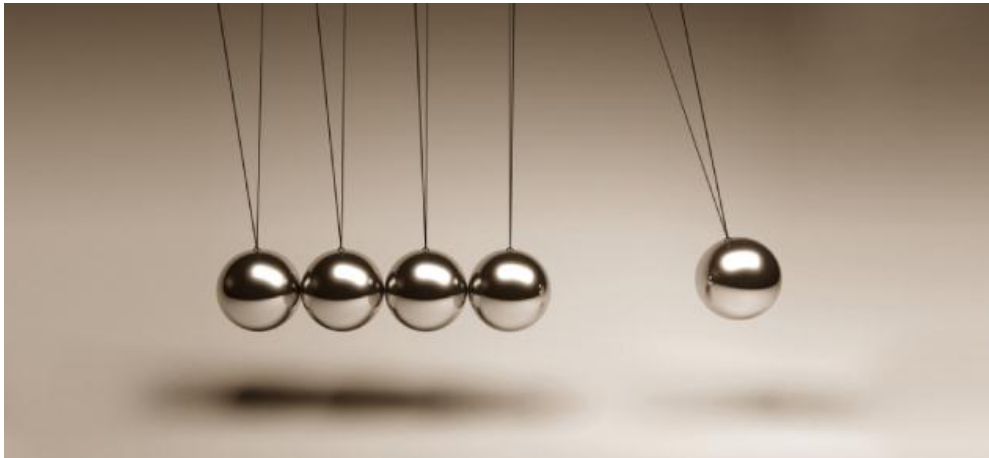
Products: Vacuum Cleaning Robots, Floor Washing Robots, Floor Mopping Robots, Pool Cleaning Robots, Gutter Cleaning Robots, etc.



Engineer profiles

Sir Isaac Newton

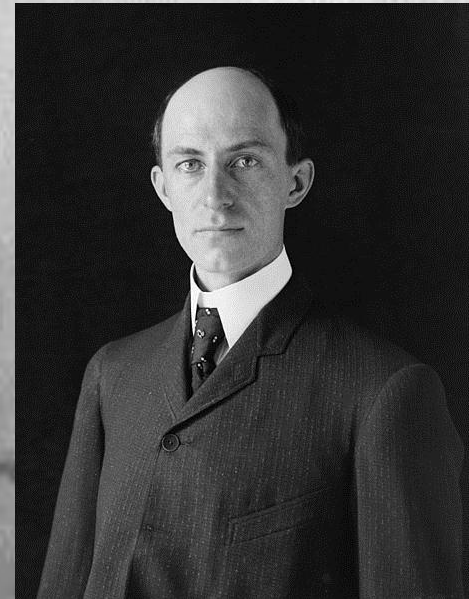
- Newton was the first to come up with the foundations of mechanical engineering in England during the 17th Century
- He came up with the three laws of motion
- Newton also developed calculus, the mathematical basis of physics



Engineer profiles

Orville and Wilbur Wright

- Two American brothers who lived in Dayton, Ohio grew up working in a bicycle shop
- They both eventually achieved flight in Kitty Hawk, North Carolina



Bibliography Page

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- "Wright Brothers." *Wikipedia*. Wikimedia Foundation, 25 Aug. 2013. Web. 27 Aug. 2013.
- "Isaac Newton." *Wikipedia*. Wikimedia Foundation, 25 Aug. 2013. Web. 27 Aug. 2013.

Questions?

- Ask audience if they have any questions