

DESIGN FOR ENGINEERING

UNIT II

DESIGN AND PROBLEM SOLVING

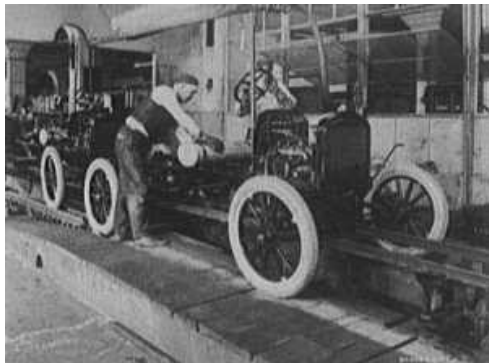
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ETP 2005 – Mel Klingenberg

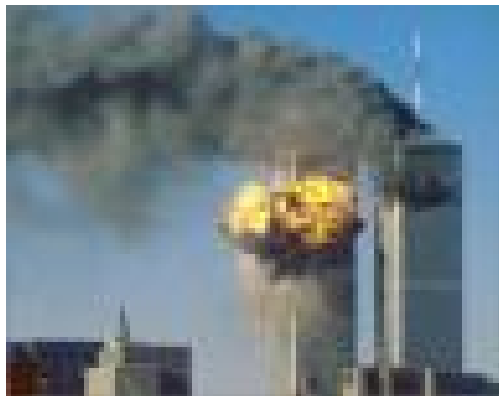
ESSENTIAL QUESTIONS

- How does the creation of individual solutions to technological problems lead to a changed world and changes in our daily lives?
- How will an understanding of engineering design lead to a better understanding of my world?
- What can I take from the engineering design process to create a more successful future?
- How do engineers contribute to the forward progress of humankind?
- Is engineering a career for me?
- What might be meant by the statement “Design without math and science is tinkering.” Is tinkering ok?

HOW WE HAVE CHANGED?



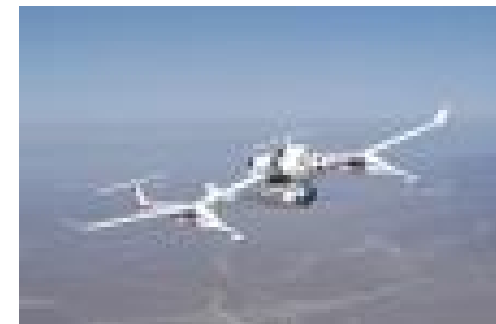
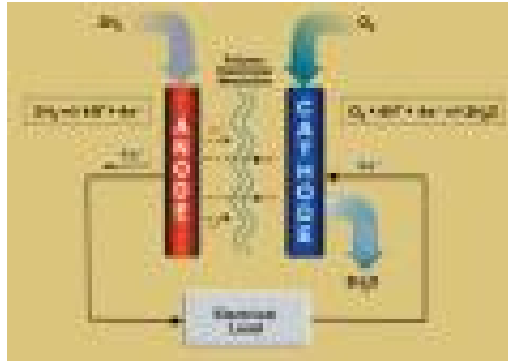
MY WORLD?



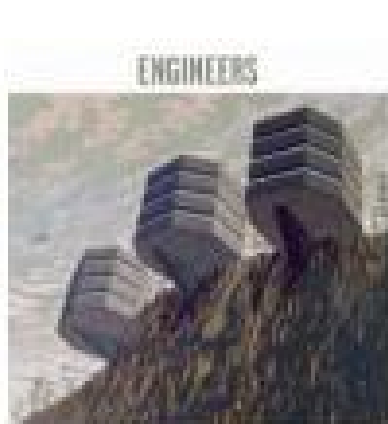
MY FUTURE?



PROGRESS



A CAREER FOR ME?



TINKERING – OK?

