ASSIGNMENT

What is Engineering and Engineering Technology?

To learn about engineering and engineering technology, visit the web site www.asee.org/precollege and answer the questions below. You have 50 minutes to complete the assignment. Print out two hard copies, submit one to Dr. Edmund Tsang, and keep one for class discussion.

A. Give a definition of Engineering and Engineering Technology.

B. Look under “Questions about Engineering,” identify two achievements among the top 20 achievements of the 20th Century that most surprise you? Explain why one of the cited achievements surprises you?

C. Look under “Benefits for Being an Engineer.” How would you rank the top five reasons for studying engineering? Write a sentence to justify each of your ranking.
   1)
   2)
   3)
   4)
   5)

D. Go to “Famous Engineers.” Which of the following famous people have engineering background? (Y = Yes; N = No)
   1) Neil Armstrong, first man to walk on the moon
   2) Jimmy Carter, 39th President of the United States
   3) Tom Landry, former Dallas Cowboys coach
   4) Montel Williams, popular syndicated television talk show
   5) Elijah McCoy, the namesake for “the real McCoy”

E. Look under “Engineering FAQ,” what is the future career outlook for engineers?

F. Look under “Engineering Disciplines,” write a short paragraph about an engineering discipline that interest you and explain why.

H. What is the salary of an Electrical Engineer working in Michigan? Materials Engineer? Mechanical Engineer? Perform a Google search and report the results.