

Name: _____

Date: _____ Hr. _____

Intro to Engineering & Design EOC Study Guide

Unit 1 – Design Process – 19%

1. How might we create the best possible solution to a problem?
Engineers try to think “outside the box” in order to solve new problems or find ways to improve current solutions.
2. What is the most effective way to generate potential solutions to a problem? How many alternate solutions should you generate?
Brainstorming with a group, research and testing possible solutions
3. What is an engineer? What types of work do engineers do? Engineering is the application of mathematics and scientific principles to better or improve life. An engineer is a person who is trained in and uses technological and scientific knowledge to solve practical problems. Research, Develop, Design, Supervise, Manage, Production and Construction, Operations, Plant management, and Sales.
4. Why Keep an Engineering Notebook? An engineering notebook is recognized as a legal document that is used in patent activities to...
 - a. Prove the origin of an idea that led to a solution
 - b. Prove when events or ideas occurred
 - c. Prove diligence in turning the idea into a solution
 - d. Prove when an idea became a working solution (“reduced to practice”)
5. What are the 4 best Practices for the Engineering Notebook?
 - a. Be Neat,
 - b. be Accurate,
 - c. be Legible,
 - d. be Thorough.
6. Explain the concept of proportion. Paying close attention to the underlying basic shapes and the relative proportions of various features of the object will allow you to more accurately reflect the true shapes and proportions of the object in your sketch.

Eoc Study Guide Honors Intro To Engineering

William E. Burgess



Eoc Study Guide Honors Intro To Engineering:

The Oryx Guide to Distance Learning William E. Burgess, 1997 Provides informative descriptions of 4 200 media assisted courses offered by 420 accredited postsecondary institutions in the United States The courses are organized by state and then by institution Each entry includes institution address telephone and fax numbers geographic access area descriptions of the courses and delivery methods and information about accreditation admission requirements tuition credit awarded grade exam system and library services New to the second edition are 130 new institutions World Wide Web URLs e mail addresses and subject index cross references Annotation copyrighted by Book News Inc Portland OR **Engineer Update** ,1996 *Arts & Humanities Citation Index* ,1997 **Opportunity Programs** United States. Congress. Senate. Committee on Labor and Human Resources, 1997 *Strathmore's Who's Who, 2000-2001* Strathmore Directories, Limited, 2001-05 **Telephone Directory** University of California, Los Angeles, 1991 **Learning Directory** ,1970 The United States Army and Navy Journal and Gazette of the Regular and Volunteer Forces ,1871 *Surveying and Mapping* ,1967 The Congress considers the Report on the first meeting June 1941 as part of v 1 The Journal of the Armed Forces ,1872 *InTech* ,1995 *Congressional Record* United States. Congress, 1874 The Congressional Record is the official record of the proceedings and debates of the United States Congress It is published daily when Congress is in session The Congressional Record began publication in 1873 Debates for sessions prior to 1873 are recorded in The Debates and Proceedings in the Congress of the United States 1789 1824 the Register of Debates in Congress 1824 1837 and the Congressional Globe 1833 1873 **Congressional Record** USA Congress, 1874 **Telephone Directory** United States. Department of Defense, 1980 Each issue includes a classified section on the organization of the Dept *Forthcoming Books* Rose Army, 1990 *East West* ,1981 *Encyclopedia of Associations V1 National Org 43 Pt1* ,1961 A guide to more than 22 000 national and international organizations including trade business and commercial environmental and agricultural legal governmental public administration and military engineering technological and natural and social sciences educational cultural social welfare health and medical public affairs fraternal nationality and ethnic religious veterans hereditary and patriotic hobby and avocational athletic and sports labor unions associations and federations chambers of commerce and trade and tourism Greek letter and related organizations and fan clubs **Ohio Architect** ,1959 **Tropical Times** ,2001 **The National Dean's List** ,2002

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