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Honors Mentorship

10 November 2013

Engineering

Summary

This book tells all about engineering. It begins by describing what engineering is. It tells how to be a successful engineer and it tells how certain people have become engineers. Garner describes engineers by stating “…engineers have a strong interest and ability in science, mathematics, and technology, they are team leaders who can take an idea from concept to reality”(10). The second part of this book goes into detail about many specific types of engineering areas. It tells about these: Chemical, Civil, Electrical, Industrial, Materials Science, Mechanical, Aerospace, Agricultural and Biological, Automotive, Biomedical, Computer, Environmental, Manufacturing, Petroleum, and it ends with engineering technology. It tells about what the person in those field does, how much money they make, the education they get, and the outlook for the future. It then goes into what colleges have certain engineering programs and what scholarships are associated with engineering.

Quotes

“Engineers are creative and they are problem-solvers who rely on the discovery to improve the world in which we live” (5)

“…engineers have a strong interest and ability in science, mathematics, and technology, they are team leaders who can take an idea from concept to reality.” (10)

“Engineering is the profession in which a knowledge of the mathematical and natural sciences gained by study, experience, and practice is applied with judgment to develop ways to utilize the materials and forces of nature, economically for the beneﬁt of mankind.” (4,5)

(Paraphrase) There are seven major functions an engineer can pursue within the branches of engineering: research. Development, design, construction, production, operation, management.

Assessment

This book is an education book on engineering. It is published by McGraw-Hill, which publishes many books my school uses. It is fairly recent information. It was published in 2009. This shows that the information is accurate. It can be trusted mostly because it is on Galileo.

Reflection

I will us this book to explain the basics of engineering, the history of engineering, and the specialties of engineering. I can use it to go in depth of certain engineering field such as mechanical. The section on the specialties gives very detailed information on what that specialty is and where those people work. I can use it to describe certain fields in depth. The source is extremely helpful since it goes so in depth about almost everything about engineering.

Works Cited

Garner, Geraldine O. *Careers In Engineering*. New York: McGraw-Hill, 2009. eBook Collection (EBSCOhost). Web. 20 Oct. 2013.