

Tri County RVTHS
Engineering Technology Program
Engineering Summer Reading List
2011

Although you are required to read only ONE of the following books, you are encouraged to read more, and you will be given extra credit for the extra reading you do. Each book will be counted as TWO Projects grade in the Fall term. The books are:

Engineering Students Going to 10th Grade:

1. [The Mythical Man –Month](#) by Frederick P. Brooks
2. [A Brief History of Time](#) by Stephen Hawking
3. [Contact](#) by Carl Sagan
4. [Surely You're Joking, Mr. Feynman!](#) by Richard P. Feynman
5. [Failure Is Not an Option : Mission Control from Mercury to Apollo 13 and Beyond...](#) by Gene Kranz
6. [Where Wizards Stay Up Late: The Origins Of The Internet](#) by Katie Hafner

Engineering Students Going to 11th Grade:

7. [The Microsoft Way : The Real Story of How the Company Outsmarts Its Competition](#) by Randall E. Stross
8. [The Gate: The True Story of the Design and Construction of the Golden Gate Bridge](#) by John van der Zee
9. [To Engineer Is Human: The Role of Failure in Successful Design](#) by Henry Petroski
10. [Newton's Gift: How Sir Isaac Newton Unlocked the System of the World](#) by David Berlinski

Engineering Students Going to 12th Grade:

11. [E=mc²: A Biography of the World's Most Famous Equation](#) by David Bodanis
12. [Hot, Flat, and Crowded](#) by Thomas Friedman
13. [Einstein's Cosmos: How Albert Einstein's Vision Transformed Our Understanding of Space and Time](#) by Michio Kaku
14. [Think Like an Architect](#) by Hal Box
15. [In Search of Schrödinger's Cat](#) by John Gribbin

For each book you read, please have the following ready by the first day of Shop in the Fall term:

1. *A 4-5 pages paper covering the following:*
 - i. *Book summary*
 - ii. *Key lessons you learned from reading the book*
 - iii. *How the book may influence your development as a potential Engineer*
2. *A 15 minutes presentation covering the above*

Enjoy your reading and have a good summer !