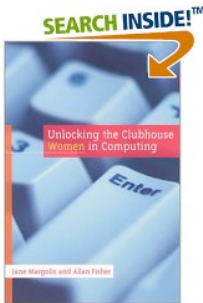


## CS4HS Reading List – Choose ONE

One of the one-hour sessions at the CS4HS workshop in July will be a book discussion. Please choose **ONLY ONE** of the books from the following list of four and read it prior to the start of the workshop. During the workshop, participants will break into groups according to the book they chose and will have the opportunity to discuss the material. The enclosed gift certificate to Amazon.com is for you to use

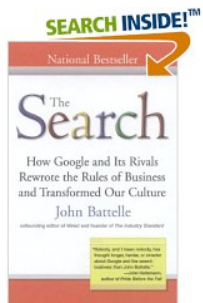
Note that any of these books are appropriate reading for teachers of any subject and level. It is not our intent that all math teachers necessarily read *Cryptonomicon* or that all computer science teachers read *Unlocking the Clubhouse*, although you are welcome to do so. Rather, anyone will learn a great deal from any of these books, and we hope that you simply choose the book that interests you the most.



### Unlocking The Clubhouse

Authors: Jane Margolis & Allan Fisher

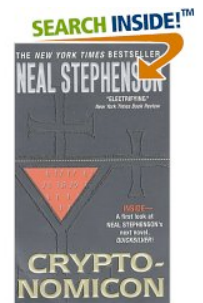
New on Amazon.com: \$12.00



### The Search

Author: John Battelle

New on Amazon.com: \$10.17



### Cryptonomicon

Author: Neal Stephenson

New on Amazon.com: \$8.99

See back for a description of each book.

## CS4HS Reading List – Choose ONE

### **Unlocking The Clubhouse** - Jane Margolis & Allan Fisher

*Unlocking The Clubhouse* discusses the efforts of Carnegie Mellon University's computer science department (ranked in the top 5 nationally) to recruit and retain female students. It covers the causes behind the lack of equal female participation in computer science as a discipline, as well as various potential remedies that can be applied at all levels of the educational pipeline.

This is a good read for those interested in the cultural climate of computer science. Any teacher whose subject area suffers from a lack of interest from particular subgroups would find the conclusions in here relevant. Also of general interest are the discussions of computing stereotypes and what can be done at the K-12 level to dispel them.

### **The Search** - John Battelle

This book from technology journalist John Battelle tells the story of Google and how it became one of the most powerful companies in the world in a matter of just a few years. Battelle puts the company in historical perspective by describing the origins of search and how Google has reshaped the way we think about the internet and commerce. The book is not overly technical.

*The Search* is more than just a history of Google. It includes speculations about the future of search and what the author describes as the "database of intentions" that is going to dominate the next wave of internet technologies. The book also explores the social issues surrounding search, including privacy. He leaves us wondering whether Google will be able to fulfill its company motto: "Don't be evil."

### **Cryptonomicon** - Neal Stephenson

*Cryptonomicon* is a highly acclaimed, award-winning historical technothriller heavy in computer science concepts--especially cryptography and codebreaking. It portrays two parallel storylines: one set in WWII following mathematicians at Bletchley Park trying to break Nazi codes, and the other set in the present day following a cryptography expert who becomes involved in secret international communications.

This is a long (900+ pages) book, easily the longest on this list, but also extremely engaging. This is a great book to give to any student expressing an interest in computer science, as it is heavily peppered with CS references--and even better, layman's explanations of the concepts involved. Before you recommend it to students, however, be aware that it does contain sexual content.