

# Science Reading List



MARICOURT  
CATHOLIC  
HIGH SCHOOL  
& SIXTH FORM CENTRE

## Book selection

### Wider Reading Book Recommendations

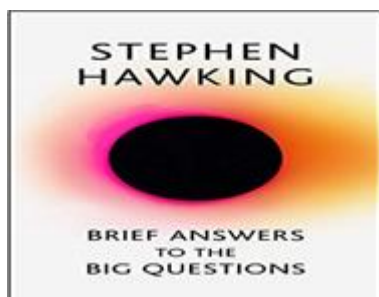
ALL

#### Physics

**The elegant universe** - Greene, one of the world's leading string theorists, peels away layers of the unknown, through introducing concepts from quantum mechanics to general relativity, to reveal a universe that consists of eleven dimensions.

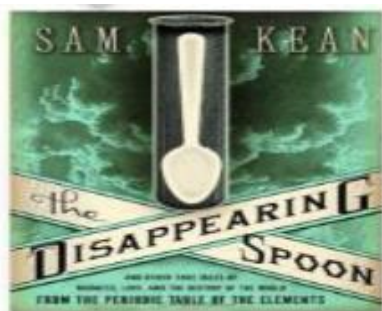


**Brief answers to questions-** The final book from one of the greatest minds in history, is a personal view on the challenges we face as a human race, and where we, as a planet, are heading next.



#### Chemistry

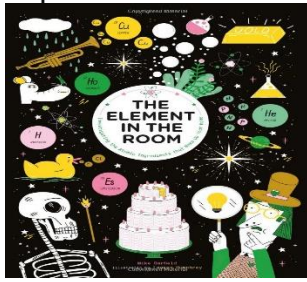
*The Disappearing Spoon* follow carbon, neon, silicon, gold and every single element on the table as they play out their parts in human history, finance, mythology, conflict, the arts, medicine and the lives of the (frequently) mad scientists who discovered them.



**The element in the room** - Did you know that without the "lead" in your pencil, there would be no life on Earth? Just about everything in the universe is made

from only 92 elements – and from aluminum to zinc, many of them are hiding in your very own home!

This funny and fascinating guide is bursting with brilliant facts about the atomic ingredients that make up everything around us. Join scientific sleuth Sherlock Ohms as he investigates the elements, and help his enquiries with explosive experiments.



## Biology

**Bad Science** - Ben Goldacre has made a point of exposing quack doctors and nutritionists, bogus credentialing programs, and biased scientific studies. He has also taken the media to task for its willingness to throw facts and proof out the window. But he's not here just to tell you what's wrong. Goldacre is here to teach you how to evaluate placebo effects, double-blind studies, and sample sizes, so that you can recognize bad science when you see it.



**The selfish gene** - Originally published in 1976, Richard Dawkins' book argues that genes are the basic unit of evolution, not individual organisms or even species. Due to their naturally selfish behavior, genes merely use organisms as mechanisms to ensure their own survival.

