Reading & Taking Notes from a Textbook

Unit: Introduction

MA Curriculum Frameworks (2016): N/A

AP® Physics 2 Learning Objectives: N/A

Mastery Objective(s): (Students will be able to...)

• Use information from the organization of a textbook to take well-organized notes.

Success Criteria:

- Section headings from text are represented as main ideas.
- All information in section summary is represented in notes.
- Notes include page numbers.

Language Objectives:

• Understand and be able to describe the strategies presented in this section.

Tier 2 Vocabulary: N/A

Notes:

If you read a textbook the way you would read a novel, you probably won't remember much of what you read. Before you can understand anything, your brain needs enough context to know how to file the information. This is what Albert Einstein was talking about when he said, "It is the theory which decides what we are able to observe."

When you read a section of a textbook, you need to create some context in your brain, and then add a few observations to solidify the context before reading in detail.

Use this space for summary and/or additional notes:

Details

Big Ideas

| René Descartes described this process in 1644 in the preface to his Principles of |
|---|
| Philosophy: |

"I should also have added a word of advice regarding the manner of reading this work, which is, that I should wish the reader at first go over the whole of it, as he would a romance, without greatly straining his attention, or tarrying at the difficulties he may perhaps meet with, and that afterwards, if they seem to him to merit a more careful examination, and he feels a desire to know their causes, he may read it a second time, in order to observe the connection of my reasonings; but that he must not then give it up in despair, although he may not everywhere sufficiently discover the connection of the proof, or understand all the reasonings—it being only necessary to mark with a pen the places where the difficulties occur, and continue reading without interruption to the end; then, if he does not grudge to take up the book a third time, I am confident that he will find in a fresh perusal the solution of most of the difficulties he will have marked before; and that, if any remain, their solution will in the end be found in another reading."

Use this space for summary and/or additional notes:

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| thorough but each quick and The follow probably tremendo 1. N b t1 n d fa a 2. D g a a 0 0 0 d n 3. A k t1 R a 0 0 0 0 4 n 8 4 1 N b t1 n d fa a 1 N b t1 N b D t1 N b t1 N b D t1 N b D t1 N b D t1 N b D t1 N b D t1 N b D t1 N b D t1 N b D t1 N b D t1 N b D t1 N D t1 D t1 N D t1 N D t1 N D t1 N D t1 D t1 | iding & Taking Notes from a Textbook | Page: 2 | | |
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| thorough but each quick and The follow probably tremendo 1. N b t1 n d fu a 2. C g a a 0 0 0 d n 3. A k t1 R a v p 4. R a t1 The follow probably tremendo | Unit: I | ntroductic | | |
| probably tremended 1. N b ti n d f d a 2. C g a a 2. C g a a 0 0 0 d n 3. A k ti R a a 0 0 0 d f f a a 2. C g a a 0 0 0 0 d f f a a 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | is advocating reading the text four times, but it is not necessa reading each time. It is indeed useful to make four passes ove one should add a new level of understanding, and three of the require minimal effort. | er the text, | | |
| b ti n d fu a 2. C g a a c o d n 3. A k ti R a v v p 4. R a ti n For a high | The following 4-step system takes about the same amount of time that you're probably used to spending on reading and taking notes, but it will likely make a tremendous difference in how much you understand and how much you remember | | | |
| g a o o d n 3. A k t l R a v p 4. R a t f o r a high | Nake a Cornell notes template. Copy the title/heading of each ig idea in the left column. (If the author has taken the trouble ne textbook, you should take advantage of it!) Write the page ext to the headings so you will know where to go if you need to etails in the textbook. For each big idea, leave about ¼ to ½ pa or the details. (Don't do anything else yet.) This process shoul bout 1–2 minutes. | to organize numbers b look up age of space | | |
| k ti R a v p 4. R a ti n For a high | o not write anything else yet! Look through the section for pic raphs, and tables. Take a moment to look at each one of these uthor gave them space in the textbook, they must be importan ver (but don't try to answer) the homework questions/probler f the section—these illustrate what the author thinks you shou o once you know the content. This process should take about hinutes. | e—if the nt. Also rea ns at the e uld be able | | |
| a ti n For a high | ctually read the text, one section at a time. For each section, j eywords and sentence fragments that remind you of the key ic ne text, and the pictures and questions/problems from step 2 a emember that you are not allowed to write more than the ¼ to llotted. (You don't need to write out the details—those are in which you already have!) This is the time-consuming step, thou robably less time-consuming than what you're used to doing. | deas about above. o ½ page the book, | | |
| - | ead the summary at the end of the chapter or section—this is uthor thinks you should know now that you've finished the rea nere's anything you don't recognize, go back, look it up, and ac otes. This process should take about 5–10 minutes. | ading. If | | |
| | n school textbook, you shouldn't need to use more than about paper per 5 pages of reading! | one side o | | |
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