

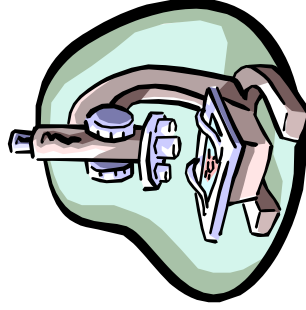
HOW TO STUDY SCIENCE

A GENERAL NOTE

Although the material in science develops step by step, detail by detail, the courses are actually divided into units, which in turn proceed in and out of one another. It is best then to first get an overview of the course, secondly learn the unit division, and lastly, the details. Without the broader view, the study of the details can result in the memorization of easy-to-forget ideas. With knowledge of the broad outline the individual details will fall into their proper place and relationships are easier to recall.

Students should follow these steps to help remember the details:

1. Learn section headings first;
2. then study chapter or unit divisions;
3. then organize and learn the details.



A FEW REMINDERS

1. Follow a regular nightly or, if you prefer, weekly review, covering all the work in notes or subject summaries methodically. This need not take much time.

2. Learn to use the text as a reference. Study its examples and illustrations.

3. Save a place at the end of your notes to record difficult details, and get help with these.

4. Be sure you understand the materials - remembering details will then follow more naturally and easily.

5. Be conscientious about memorizing all laws and formulae.

6. Never be careless or casual about an assignment. After all, you would not go into a play-off game or produce a play for a paying audience without practising under game conditions. As often as possible work out an assignment as if you were in an examination.

MATH STUDY SKILLS

Be **actively** involved in managing the learning process, the mathematics and your study time:

- Take responsibility for studying, recognizing what you do and don't know.
- Attend class every day and take complete notes.
- Keep your notes neat and organized.
- Be an active participant in the classroom.
- Ask questions in class! There are usually other students wanting to know the answers to the same questions you have.
- Use your class time wisely.
- Go to math help after school (Room 303 from 2:20-3:20) and ask questions.
- Do your homework at the same time and in the same place. Do it with as few distractions as possible.
- Good study habits throughout the semester make it easier to study for tests.

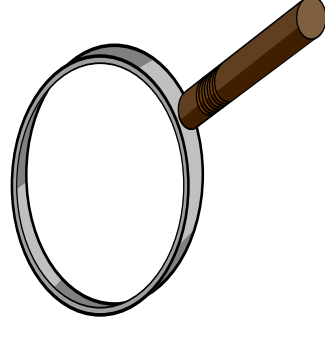
STUDYING MATH IS DIFFERENT FROM STUDYING OTHER SUBJECTS

- Math is learned by **doing** problems. Do the homework. The problems help you learn the formulas and techniques you do need to know, as well as improve your problem-solving abilities.
- A word of warning: Each class builds on the previous ones, all semester long. You must keep up with the Instructor: attend class, read the text and do homework every day. Falling a day behind puts you at a disadvantage. Falling a week behind puts you in deep trouble.
- A word of encouragement: Each class builds on the previous ones, all semester long. You're always reviewing previous material as you do new material. Many of the ideas hang together. Identifying and learning the key concepts means you don't have to memorize as much.



10 STUDY TIPS FOR MATH CLASS

1. Do your homework daily
2. Don't be afraid to ask your teacher for help and go to the Math Help Room after school
3. Use your textbook for examples and notes
4. Do sample tests to identify problem areas
5. Form a study group where you can discuss difficulties and help each other
6. Work through problem areas more than once until you start to understand them
7. Attend class regularly and don't waste time in class
8. When you feel flustered, try to relax
9. Take your time until you understand a problem
10. Practice makes perfect



STUDYING FOR MATH AND SCIENCE

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