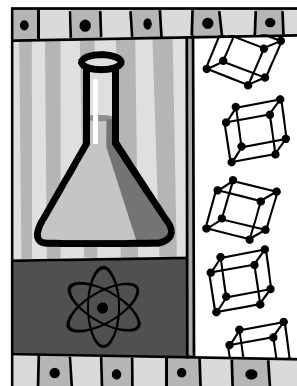


### 1. What is Physical Science 430?

Physical Sciences 430 is the enriched course for students who are capable of covering extra material and who intend to take Physics 534 and/or Chemistry 534. It consists of the Physical Sciences 416 core curriculum dealing with matter, solutions, electricity, energy and magnetism. The additional topics that distinguish 430 from the general 416 course are periodic trends, bonding, the mole, and combination circuits.

The course is divided into three modules:

[Module 1](#): *Properties and Structure*, [Module 2](#): *Electrical Phenomena* and [Module 3](#): *Ionic Phenomena*.



### 2. With what materials will the school provide me?

- LH Academy Physical Science Yellow Booklet. 2006-2007 edition. (yours to keep; it contains notes and exercises for modules 1 and 3).
- LH Academy Physical Science Red Booklet. 2006-2007 edition. (yours to keep; it contains notes and exercises for module 2. You will receive this book later in the year).
- [www.emsb.qc.ca/laurenhill/science/436.html](http://www.emsb.qc.ca/laurenhill/science/436.html) (this constantly updated site has complete notes, some homework solutions, pretests, labs, review exercises, old exams, movies and lots more)

### 3. What materials do I need to bring?

- A notebook for those who do not like to take notes in the yellow/blue booklet
- Loose leaf for most tests and lab reports.
- Pen and pencil, obviously
- Ruler will be needed for graphs
- Standard 1 cm graph paper
- Scientific calculator *without* graphic display

### 4. How will I be evaluated?

a. Each term your report card will feature...

i. *Physical Science 416 written (theory) mark:*

10% homework (checked consistently)

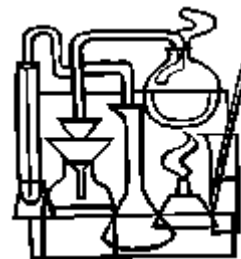
90% tests (each is preceded by a pretest and is scheduled in advance, so you are expected to write these even if you missed one or two classes prior to the test.)

If you miss a test *with a valid reason*, you will rewrite it at the end of term, unless you make arrangements to write it prior to the test date.

ii. **Physical Science 416 laboratory mark**

100% based on lab reports

Although all labs will be done with a partner, each student will write an individual lab report and submit it in the following class.



iii. **Physical Science 416 overall term mark**

85% of theory mark + 15% lab mark

iv. **Physical Science 430 mark**

10% HW and 90% tests. Practically, it is not always possible to separate this mark from the 416 one except in January and in June when you will actually write separate exams for this part of the course.

b. **Year**

Course	Term 1	Term 2	Jan Exam	Term 3	Term 4	June Exam
416 theory	7.5 %	10 %	15 %	10 %	7.5 %	50 %
416 lab	20 %	15 %	15 %	20 %	15 %	15 %
430	15 %	10 %	25 %	10 %	15 %	25 %

5. **How do I behave in Physical Science?**

The course is fast-paced, so we need to concentrate. In order to do so, we need a quiet environment. Do not, therefore, chit-chat or distract your classmates during lectures, discussions, demonstrations and labs.

In the lab, some chemicals and circuits are potentially dangerous and the equipment is very expensive, so again you need a mature attitude to remain in the lab.

6. **Can I get extra help?**

I will try, as much as possible, to keep the classroom open from 1:15 to 1:45 *every day*, except on certain DAY 1's. See schedule on door if you lose this paper.

( I'm putting it in writing, so that you hold me up to it! ) More so than in any other course, I have seen students benefit significantly just from one or two sessions, so do not hesitate to attend if your brain treats a certain concept like brussel sprouts. We'll put lots of ketchup on it and make it palatable.

Unfortunately, I will be rarely available after school because of outside responsibilities. This should not be a problem because in the past, requests for lunch time help greatly outnumbered after-school requests.