



HS Science Teacher

Overview:

In our high school (grades 9-12), we have one Science teacher that is responsible to teach science classes for each grade level. We use a rotating curriculum in secondary science, which is designed to reduce the number of different classes for which the teacher is planning during a given school year. As such, one set of classes is taught during “even years” (like 2012-2013) and another set is taught during “odd years” (like 2013-2014).

Schedule:

A sample schedule is as follows:

Time	Period	Class	Notes
7:30-7:40	0H	Homeroom, devotional	8-12 students; same gender as teacher
7:43-8:33	1	Chemistry	11 th -12 th grade
8:36-9:26	2	Chemistry	11 th -12 th grade
9:26-9:41	Break		
9:41-10:31	3	Biology	9 th -10 th grade
10:34-11:24	4	Biology	9 th -10 th grade
11:24-11:54	Lunch		
11:54-12:44	5	Planning period	
12:47-1:37	6	Chemistry lab/Bible class*	Lab on W-Th; Bible class Mon, Tue, Fri
1:40-2:30	7	AP Calculus*	(currently taught by our science teacher)

* You would not teach both a Bible class and AP Calculus... only one of the two classes. The other time slot would be a planning period.

Curriculum:

Our science curriculum review is being finalized this semester and we anticipate adopting new textbooks for the 2012-2013 school year. In addition to the resources that accompany the teacher’s edition of the textbook, we have several written lab procedures and some lab equipment available to guide the students through formal lab experiments and studies. Descriptions of specific classes are provided below.

Even Year Classes (2012-2013):

Biology: The same class is taught twice (two sections; approximately 22 students per class). All freshmen and sophomores are required to take this class. In addition to learning science content, the teacher should integrate a strong biblical perspective to this course of study.

Chemistry: The same class is taught twice (two sections; approximately 20 students per class). All juniors and seniors are required to take this class. The study of chemistry includes an overview of the Periodic Table, chemical reactions, stoichiometry, states of matter, and acids and bases.

Chemistry lab: In addition to daily classes in chemistry, juniors and seniors have a lab class once a week during 6th period. This 50-minute period is used to either perform or follow up on an experiment. Our goal is for students to do lab experiments every 2 weeks throughout the year.

Chemistry experiments are a challenge in this country because it is more difficult or expensive to purchase needed supplies.

Additional class: Currently, our high school Science teacher also teaches the AP Calculus class. If our new teacher was not qualified to teach this class, he or she could teach either a Bible class (3 days per week, taught to 9th or 10th grade students of the same gender) or an elective class (5 days per week for 1 semester, taught to a select group of 9th-12th grade students). Bible classes include Faith and Discipleship, Apologetics, Biblical Ethics and World Religions. Possible electives might include Anatomy, Electronics, Design & Drafting, Astronomy or another elective suggested by the teacher.

Odd Year Classes (2013-2014):

Physical Science: The same class is taught twice (two sections; approximately 22 students per class). All freshmen and sophomores are required to take this class.

Physics: The same class is taught twice (two sections; approximately 20 students per class). All juniors and seniors are required to take this class.

Physics lab: In addition to daily classes in physics, juniors and seniors have a lab class once a week during 6th period. This 50-minute period is used to either perform or follow up on an experiment. Our goal is for students to do lab experiments every 2 weeks throughout the year. Lab experiments are a challenge in this country because it is more difficult or expensive to purchase needed supplies.

Additional class: As stated above, this could be AP Calculus, a Bible class or an elective class.

Qualifications:

- 4-year degree in Chemistry, Biology, Physics, Secondary Science Education or related field
- Teacher certification and 2 years experience preferred
- Evangelical Christian testimony with active local church experience
- Sense of calling to teach in a third-world setting
- Willingness to make a three (or more) year commitment
- English is first language