

Newark Catholic High School

Integrated Science

Syllabus

Physical Science 2011-2012

Teacher
Russell Nelson
Room: 207

Text
Glencoe Physical Science with Earth Science by Ralph Feather, Charles McLaughlin, Marilyn Thompson, Dinah Zike. Glencoe/McGraw-Hill 2012.

Extra Resources
Newark Catholic website <<http://www.newarkcatholic.org/academics/individual-courses/>> (Select Physical Science)

Goals
The objectives for this course are listed on the last page. We will explore various learning techniques. This will allow you to find the ones that fit your learning style.

Aptitude, Persistence and Success
I can not stress enough the importance of hard work. A quote from Dr. Bruce Mainland, Physics professor at OSU Newark, describes the importance of hard work.

...Your aptitude is determined by your genes and your environment. Of course, you had little control over your environment during your formative years, and you never had any control over your genes. You, however, control your persistence: how long you are willing to work and how hard you are willing to work...

I have found these words to be true. Here is a quote from Isaac Newton that reflects the importance of persistence.

“I keep the subject constantly before me and wait till the first dawns open little by little into the full light.”
Isaac Newton

Eight Keys to Success in a Physical Science
The two most important keys to success are as follows:

1. Read the chapter before the lecture. Prepare questions you would like answered during the lecture.
2. Read the chapter after the lecture. If anything is still unclear ask for clarification.

Six additional keys to success are as follows:

3. Complete all assignments.
4. Study physical science almost every day rather than longer periods fewer times each week.
5. Review vocabulary daily.
6. Keep your notebook neat and organized.
7. Use your notebook to study for test
8. Pay attention in class.

Grading Procedure and Scale
Quarterly grades will be determined on the basis of total points. Scores will be based on test, homework, in-class assignments, and labs. Assignments not in the notebook on the due date will be marked as a zero. Assignments shown after the due date will receive 50% reduction in grade. *Assignments can be shown at any time before the end of the quarter (with the 50% reduction to late work). I will be using the standard grading scale as follows:

A	100-93	C+	79-77	D-	62-60
A-	92-90	C	76-73	F	Below 60
B+	89-87	C-	72-70		
B	86-83	D+	69-67		
B-	82-80	D	66-63		

*Some assignments will not be graded after the due date. These are usually in-class assignments.

Total points available per quarter will vary. The following is a guide for the ratio between the various assignment types.

Homework	15%
In-Class Assignments	15%
Test	60%
Labs	10%

Class Rules

All school rules apply and in addition to these rules are the following:

1. Be Respectful (of self, others, facility, teacher, ect)
2. Be Prepared (book, calculator, writing utensil, ect)
3. Be Persistent (work hard, ask questions, form study groups, ect)

Supplies

You will need a 1 in. (or larger) three ring binder strictly for physical science. All assignments must be in your notebook to receive credit.

You must have a calculator (this is a requirement of your math class so follow their guide lines on calculator models).

You must have a book cover.

Each quarter I offer extra credit (1% of total points for the quarter) for the following supplies. Tissues, Hand Sanitizer, Dry Erase Markers, or Clorox Wipes. (Limit once per quarter)

Objectives

The objectives of this class follow the Columbus Diocesan Course of Study and the Ohio Department of Education High School Science Model Curriculum. You can find these on the Newark Catholic website <<http://www.newarkcatholic.org/academics/individual-courses/>> (Select Physical Science)

Assignments

Assignments for physical science will follow the same format for most chapters. The book is broken down into chapters and each chapter has 3-4 sections. Each section has a section review and each chapter has a chapter review. Typical assignments for a chapter consist of the following. Example:

1. Chapter 3.1 vocabulary
2. Chapter 3.1 outline
3. Chapter 3.1 section review
4. Chapter 3.2 vocabulary
5. Chapter 3.2 outline
6. Chapter 3.2 section review
7. Chapter 3.3 vocabulary
8. Chapter 3.3 outline
9. Chapter 3.3 section
10. Chapter 3 Review

These assignments will be kept in their notebook. I will do notebook checks roughly once a week. The notebook check will be un-announced and assignments missing are considered late and receive a zero. If the assignment is shown the next day or on the next notebook check I will change the zero to 50% of the original point value. There will be homework almost every night; however, there is usually time in class to work on their assignments.

I keep grades in a grade book and progress book. My grade book is always up-to-date. Progress book is usually updated on Sunday. I transfer grades from my grade book to progress book weekly. (Parents) Please feel free to email me at any time if there are any questions or concerns about grades

Extra credit is given for class room supplies (once per quarter), famous person web quest (given at the beginning of the quarter and due before the last day of the quarter), and study table attendance.

Values:

1. Supplies 1% of total available points.
2. Web quest 2% of total available points.
3. Study Table 1% of total available points. (Usually 9 study tables per quarter so 1% is divided between the 9. Show up for all 9 to get the full 1%)

I encourage working in teams. There is a difference between cooperation and copying. Working through a difficult problem with a friend is cooperation (and the way you will work in the "real world"), getting the solution to a problem from a friend and just writing it down is copying. You are ultimately responsible to know all the content for the test.

Good Luck!

I look forward to a fun and exciting year!

Mr. Nelson