Providence Extension Program (PEP): Honors Algebra 2 with Mrs. Norris

Syllabus (McDougal Littell, 2007)

This course gives students a strong foundation in advanced algebra concepts, while also preparing her/him for future study in pre-calculus, trigonometry & analytic geometry, and/or probability & statistics.

Supplies

Dedicated Notebook for note-taking and writing out step-by-step sample problem solutions
Pencils & Erasers, Red & Blue Pens, Highlighters
Statistics/Graphing Calculator (TI-84 Plus C Silver Edition)

Grading   A = 90-100 (4.0), B = 80-89 (3.0), and so forth for each letter grade C and D.

PLEASE NOTE: This is an Honors Level course; so each grade gets a ½ point "bump". For instance , earning a "B", translates to a 3.5 for weighted GPA calculations. Any grade at or below 59 is failing and receives an F.
Tests (up to) 60%, Quizzes (up to) 20%, Homework 20%, Class Participation 10% - this may be adjusted as necessary

Success in this class will require multiple exposures to each concept, usually three. Prior to each class, students are expected to look over the sections to be covered and take notes as needed (exposure #1). Then I will teach the concepts in class and we will work some examples **(exposure #2)**. Finally, students will do homework assignments on the concepts taught **(exposure #3)**. By the time students are tested on the subject matter, they are well prepared to demonstrate mastery of the skills taught.

Homework Policy

All Homework must be completed in pencil and checked by parents. Incorrect problems are to be re-worked in red ink. If the student still does not understand the problem, (s)he should then write out the answer per the solution manual in blue ink, which allows me to easily identify areas that need to be reviewed in class.

Homework grades will be based on completion. However, **late Homework will receive a 60%**, if turned in after the class at which it was due or at or before the next class. Homework will not be accepted after this one day "grace", and the student will receive a **0%**.   If your child misses class on the day the assignment is due, please contact me directly that day. Homework will then be due the next day the student is in class.

Quizzes & Tests

Quizzes & tests will be delivered via e-mail. **Once parents have printed out the materials, they should immediately delete the e-mail.** Quizzes and tests will have a guided time limit; so, parents please keep track of the time when you administer them. *Quizzes & Tests should be returned in sealed envelopes with the parent's signature across the seal and the time needed to take the test noted.* **Test submissions not adhering to these requirements will not be accepted as "on-time" and the late policy (above) will be applied, per instructor prerogative.**

Lesson Plans

Lesson plans for each week will be posted/uploaded to my Weebly site (www.pepmrsnorris.weebly.com). They will outline Homework assignments & due dates and upcoming Quiz and Test dates. My goal is for these Lesson Plans to follow the Syllabus outlined below. However, changes may be made throughout the year, based on student progress. Wherever they may conflict, the Lesson Plans will prevail.

I have read and will adhere to all of the above course information and will comply therewith.

_____   _____
Student Signature & Date   Parent Signature & Date

Quarter One

Week 1   **Chapter 1 - Equations & Inequalities**

      Tues. ORIENTATION   **Thurs.** Sections 1.1 – 1.3

Week 2   **Chapter 1** (continued)

      Tues. Sections 1.4 & 1.5   **Thurs.** Sections 1.6 & 1.7

Week 3   **Chapter 1** (continued)   **Chapter 2 – Linear Equations & Functions**

      Tues. **Chapter Review/Test**   **Thurs.** Sections 2.1 – 2.3

Week 4   **Labor Day - No Class**   **Chapter 2** (continued)

                  Thurs. Sections 2.4 & 2.5

Week 5   **Chapter 2** (continued)

      Tues. Sections 2.7 & 2.8   **Thurs.** **Chapter Review/Test**

Week 6   **Chapter 3 - Linear Systems & Matrices**

      Tues. Sections 3.1 & 3.2   **Thurs.** Sections 3.3 & 3.4

Week 7   **Chapter 3** (continued)

      Tues. Sections 3.5 & 3.6   **Thurs.** **Chapter Review/Test**

Week 8   **Chap. 4 - Quadratic Functions &Factoring**

      Tues. Section 4.1   **Thurs.** Section 4.2

Week 8.5   **Chapter 4** (continued)   **Fall Break!**

      Tues. Sections 4.3 & 4.4   **No Class**

Quarter Two

Week 1   **Chapter 4** (continued)

                 Tues. Sections 4.5 & 4.6   **Thurs.** Sections 4.7 & 4.8

Week 2   **Chapter 4** (continued)
                 Tues. Sections 4.9 & 4.10   **Thurs.** Chapter Review/Test

Week 3   **Chap. 5 – Polynomials & Their Functions**

                 Tues. Sections 5.1 – 5.3   **Thurs.** Sections 5.4 & 5.5

Week 4   **Chapter 5** (continued)

                 Tues. Section 5.6   **Thurs.** Sections 5.7 & 5.8

Week 5   **Chapter 5** (continued)

                 Tues. Section 5.9   **Thurs.** Chapter Review/Test

THANKSGIVING BREAK

Week 6   **Chapter 6 – Rational Exponents & Radical Functions**

                 Tues. Sections 6.1 & 6.2   **Thurs.** Section 6.3

Week 7   **Chapter 6** (continued)

                 Tues. Section 6.5   **Thurs.** Section 6.6

Week 8   **Chapter 6** (continued)   **Chapter 7 – Exponential Growth & Decay**

                 Tues. Chapter Review/Test   **Thurs.** Sections 7.1 & 7.2

CHRISTMAS BREAK

Quarter Three

Week 1   **Chapter 7 - Exponential & Logarithmic Functions**

Tues. Sections 7.3 & 7.4   **Thurs.** Sections 7.5 & 7.6

Week 2   **Chapter 7** (continued)

Tues. Section 7.7   **Thurs. Chapter Review/Test**

Week 3   **Chapter 8 - Rational Functions**

Tues. Sections 8.1 & 8.2   **Thurs.** Sections 8.3 & 8.4

Week 4   **Chapter 8** (continued)

Tues. Sections 8.5 & 8.6   **Thurs. Chapter Review/Test**

Week 5   **Chap. 9 – Quadratic Rel. & Conic Sec.**

Tues. Sections 9.1 & 9.3   **Thurs.** Section 9.4

Week 6   **Chapter 9** (continued)

Tues. Section 9.5   **Thurs.** Sections 9.6 & 9.7

Week 7   **Chapter 9** (continued)   **Chapter 12 – Sequences & Series**

Tues. Chapter Review/Test   **Thurs.** Section 12.1

Week 8   **Chapter 12** (continued)

Tues. Section 12.2   **Thurs.** Sections 12.3 & 12.4

SPRING BREAK

Quarter Four

Week 1   **Chapter 12 – Sequences & Series**

                Tues. Section 12.5   **Thurs.** **Chapter Review/Test**

Week 2   **Chapter 10 - Counting Methods & Probability**

                Tues. Sec. 10.1 & 10.2 (thru Ex. 3 only)   **Thurs.** Sections 10.3 & 10.4

Week 3   **Chapter 10** (continued)

                Tues. Section 10.5   **Thurs.** **Chapter Review/Test**

Week 4   **Chapter 11 – Data Analysis & Statistics**

                Tues. Section 11.1   **Thurs.** Sections 11.2 & 11.4

Week 5   **Chapter Revisited & Chapter 11** (continued)

                Tues. Sections 2.6 & 11.5   **Thurs.** **Chapter Review**

Week 6   **Chapter 13 - Trigonometric Ratios**

                Tues. Section 13.1   **Thurs.** Section 13.2

Week 7   **Chapters 13** (continued)

                Tues. **At-Home: Quiz on 13.1 & 13.2**   **Thurs.** Section 13.4
                        In Class: Section 13.3

Week 8   **Chapters 13** (continued)

                Tues. **At-Home: Quiz on 13.3 & 13.4**   **Thurs.** **In Class: OPEN QUIZ**
                        In Class: Sections 13.5 & 13.6