



S.P. WALTRIP HIGH SCHOOL – Math Models 2018 SYLLABUS

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Room: 1130

Tutorials: Each Thursday from 4:15-5:15 and by appointment

Conference: 6th period

Welcome to Math Models: This course will be about budgeting for the real world! We will learn to solve problems involving personal finance and budgeting and to make better decisions when it comes to banking. We will explore what are the best ways to save money and how simple and compound interest rates can be beneficial for you. This class is about money and in the end, the goal is for you to walk with a better understanding of it.

FALL Math Models CONCEPTS:

During the fall semester, the student will explore the following concepts:

1st Six Weeks:

- ✚ Unit 1 – Mathematical Modeling in Personal Finance—Introduction to Budgeting
 - Mathematical Modeling in Personal Finance— Create a Budgeting Plan

2nd Six Weeks:

- ✚ Unit 1– Mathematical Modeling in Personal Finance— Create a Budgeting Plan
- ✚ Unit 2 – Mathematical Modeling in Personal Finance—Banking
- ✚ Unit 2 -- Mathematical Modeling in Personal Finance—Loans and Credit
- ✚ Unit 2-- Mathematical Modeling in Personal Finance—Investments

3rd Six Weeks:

- ✚ Unit 3 – Mathematical Modeling in Social Sciences— Theoretical and Empirical Probability
- ✚ Unit 3 -- Mathematical Modeling in Social Sciences—Analyze Numerical Data
- ✚ Unit 3 -- Mathematical Modeling in Social Sciences— Formulate and Execute a Statistical Study

SIX WEEKS' GRADING POLICY:

50% Classwork/Homework [min 6]

30% Test/Project/Quiz [min 3]

20% Daily/Participation [min 6]

Re-Test Policy:

1. You must show me your notes
2. **You must come to tutorial**
3. The re-test must occur **within ONE week** of the return of the original test.
4. **Re-tests are FREE-RESPONSE and/or multiple choice!**

HOMEWORK AND OTHER ASSIGNMENTS

Expect to have at least ONE homework assignment EVERY WEEK. Attempt **ALL** assignments. Must **SHOW** work – just answers are **NOT** accepted. No one is perfect, but I do expect your **BEST EFFORT!** *Any work not turned in will lose 10 points per day up to 5 days. After 5 days a grade of '0' will be recorded. Zeroes are disastrous to your six-weeks' grade.*

ABSENCES:

If you are absent, **it is your responsibility** to discuss make-up with your teacher.

1. If you are absent the day an assignment is **due**, it must be turned in the day you return.
2. If you are absent the day an assignment is **assigned**, it will be due two days following the day you return to class.

CLASS MATERIALS:

A **math only** notebook for study and documentation is **highly recommended and REQUIRED**. All returned work should be placed in folder/binder sleeve specifically for Math, not loose in binder or backpack. The supplies needed (due by Monday, September 18, 2017) are:

Needed Materials:

1. Pencils
2. Loose-leaf paper
3. 1 subject notebook

Optional (but useful) Materials:

3. Colored markers
4. AAA Batteries (for calculators)
5. Notebook/Binder to keep math materials organized
6. Your own calculator (TI-84 or higher)

Note: If you know that you will have difficulty acquiring these materials by the due date, please notify me IMMEDIATELY. Do not wait until the due date. I will be happy to discuss the situation with you and assist you in obtaining your supplies.

CALCULATOR:

TI-84 Plus and Classpad.net will be used. A classroom set of calculators may be used while in class – each one assigned by number. Students may also choose to purchase one on their own.

CLASSROOM NORMS:

- ✓ Be on time - you miss out when you're late; (*tardiness* will **NOT** be acceptable)
- ✓ Be prepared – **Bring all materials always**
- ✓ Follow oral and written directions
- ✓ Respect the rights of others
- ✓ Put forth your best EFFORT

CELLPHONE POLICY

Each student will be required to place their cell phone in their bag and leave it there for the duration of the class. Failure to do so will result in disciplinary action.