

Advanced Functions and Modeling (AFM) Course Prospectus
Providence High School
2014 – 2015

Teacher: Ms. Catie Acitelli
Email: catherineb.acitelli@cms.k12.nc.us
Website: <http://catherineacitelli.cmswiki.wikispaces.net>

Room: 123
Tutoring: Tues 6:15-7am; Thurs 2:30-3:30pm

AFM continues the student's study of advanced algebraic and geometric concepts. We will work with functions such as polynomial, power, radical, exponential, and logarithmic functions. Students will be expected to describe and translate among graphic, algebraic, numeric, tabular, and verbal representations of relations and use those representations to solve problems. Students are also introduced to topics such as trigonometry, sequences and series, probability, statistics, and data analysis. Furthermore, this course prepares students for college placement exams and reviews concepts necessary to succeed on both the SAT and ACT. This course will improve your logic skills and problem solving. Appropriate technology, manipulatives, calculators, and graphic software will be used for instruction and assessment.

Classroom Expectations:

- **Be respectful.** Be respectful of yourself, your classmates and their property, and all staff members.
- **Be on time.** Be seated and begin working on the Warm-Up Activity before the bell rings for class.
- **Be prepared.** Have your class materials ready each day. This includes completed homework.
- **Contribute.** Actively participate in class discussion, group work, and individual practice. Stay focused.

Grading Policy:

First Quarter (37.5% of semester grade)

Formal (Major Assessments*)	60%
Informal (Minor Assessments**)	20%
Midterm Exam	20%

Second Quarter (37.5% of semester grade)

Formal (Major Assessments)	70%
Informal (Minor Assessments)	30%

Final Exam (25% of semester grade)

*Major Assessments: Tests, Mastery Quizzes, Projects, etc.

**Minor Assessments: Homework, Classwork, etc.

Your grade is not a secret; you (or your parent/guardian) can access it using PowerSchool or by requesting a printed progress report from me at the end of class or before/after school. Each student will receive an official progress report and report card according to the CMS schedule.

CMS Grading Scale

93 – 100	A
85 – 92	B
77 – 84	C
70 – 76	D
Below 70	F

Mastery Quizzes:

Each unit will consist of a set of mastery quizzes to assess different objectives within the unit. Students will have the opportunity to retake each quiz until mastery is achieved. Students will achieve mastery by missing **at most** one question on the mastery quiz. For students who master a quiz on the first attempt, bonus points will be awarded on the unit test.

Make-Up Policy:

Students are responsible for contacting the teacher to receive assignments missed and for making up all missed work. Make-up tests and quizzes will be taken before or after school. Date and time for all make-up work should be discussed and scheduled with the teacher within **5 school days** of the date the student returns to school. **If you miss only the day prior to a test, you are expected to take the test when scheduled. If you miss only the day of the test, you are expected to take the test the day you return.**

Homework Policy:

Homework is assigned on a **daily basis**, and will be reviewed in class on the day that it is due. **Always be prepared!** All papers should be turned in **on time**. NO CREDIT will be awarded for copying answers. Students must show all work to receive credit. Select homework assignments will be collected on test days for either accuracy or completion. Homework will be accepted one day late for half credit (maximum of 50%). Any homework turned in more than one day late will receive a **zero**.

Late Work Policy:

If a student is present when the assignment is given and it is not completed by the due date, s/he may turn in the assignment the next day for a maximum score of a 50%. After that, no credit will be given for the assignment.

Attendance/Tardy Policy:

There is a direct correlation between consistent school attendance and academic success; therefore, it is imperative that students attend class on a daily basis. Students are expected to be in their desk and working on the Warm-Up activity before the bell rings. No one will be admitted to class after the bell rings without a pass from the Student Management Center (SMC). Consequences for excessive absences and tardies are listed in your handbook.

Materials:

Students need the following for class:

- pencils and erasers
- 3-ring binder or spiral notebook with folder
- PHS agenda
- notebook paper and graph paper
- TI-83 or TI-84 calculator (recommended); AAA batteries
- Colored pens/pencils
- Highlighters
- *Classroom Donations: Expo Markers, AAA Batteries, Kleenex, Hand Sanitizer*

Tutoring:

Tutoring is available in my classroom (room 123) on Tuesday mornings from 6:15 – 7:00 and Thursday afternoons from 2:30 – 3:30. Make-Up assessments are to be done during this time. If I am unavailable, you can always seek help from another math teacher during their tutoring times (please see Math Department Tutoring Schedule).

Parents:

I hope that you will be involved in your child's daily progress throughout this course. Our class webpage (catherineacitelli.cmswiki.wikispaces.net) will have the course outline, pacing guide, and important updates. Homework will be assigned nightly and should be monitored by checking your child's agenda. Power School and Progress Reports are tools you can use to monitor your child's progress in the class. Please contact me with questions or concerns via email at catherineb.acitelli@cms.k12.nc.us. I look forward to working with you and your child this year!

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Please sign, date, and return this sheet to Ms. Acitelli no later than Tuesday, September 2, 2014.

I have read, understand, and will abide by the course expectations for AFM.

PRINT STUDENT NAME

STUDENT SIGNATURE

I have read, understand, and will do my best to be sure my student abides by the course expectations for AFM.

PRINT PARENT NAME

PARENT SIGNATURE

Student E-Mail Address: _____

Parent E-Mail Address: _____

Parent Phone Number: _____ Date: _____