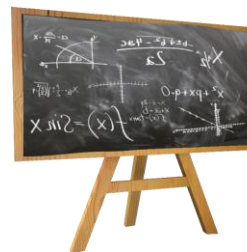


Advanced Functions and Modeling Syllabus

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Welcome to Advanced Functions and Modeling at Rolesville High School! You are encouraged to come to class every day, study regularly, complete all assignments with diligence, and always ask for help when you need it. If you do these things, I am confident you will be successful in this class. Please know I will do everything I can to help you reach your goals.

COURSE DESCRIPTION:

Advanced Functions and Modeling provides students an in-depth study of modeling and applying functions. Home, work, recreation, consumer issues, public policy, and scientific investigations are just a few of the areas from which applications should originate. Appropriate technology, from manipulatives to calculations and application software, is used regularly for instruction and assessment,

More information about the topics covered in this class can be found at:

<https://sites.google.com/dpi.nc.gov/k-12-mathematics/resources/hs-mathematics/4th-maths>

MATERIALS:

- ✓ Loose leaf notebook paper
- ✓ 3-ring binder
- ✓ Pencils
- ✓ TI-84 graphing calculator

CLASS POLICIES:

• Attendance

To achieve success in math, it is important for you to *attend class regularly*. Each day's class work builds on prior learning. If a student misses just one day, they have difficulty following new assignments. When you are absent, please check the absent folder for all notes and assignments. Failure to make up work within the designated time restraints may result in a grade deduction for that assignment. An absence of one class period will not excuse a student from turning in previously assigned work on the day they return to class.

• Grading

<u>Class Breakdown</u>		<u>Semester Breakdown</u>		<u>Grading Scale</u>
Tests	40%	Third Quarter	40%	A: 90% - 100%
Quizzes	30%	Fourth Quarter	40%	B: 80% - 89%
Classwork	20%	NCFE/Final Exam	20%	C: 70% - 79%
Homework	10%			D: 60% - 69%
				F: Less than 60%

Students will take the Advanced Functions and Modeling North Carolina Final Exam (NCFE) at the completion of the course.

HOMEWORK:

Homework will be checked daily for completion, reviewed, and/or graded for accuracy. If graded for completion, you will receive full credit if all problems are written, numbered, attempted, and all necessary work is shown. If graded for accuracy, random problems will be selected, and you must provide all necessary work as well as a correct answer for full credit. If you do not have your homework, no points are awarded. Late homework will result in a deduction of points. If you are absent, it is your responsibility to show me the assignment.

DAILY WARM-UPS:

You will be given a Warm-Up sheet that will count as a classwork grade. Warm-ups will consist of SAT/ACT questions, discussion questions, review problems, etc. After five warm-ups, I will drop the lowest grade and you will earn a classwork grade. Failure to turn in a sheet on time will result in a grade deduction.

QUIZZES:

Quizzes are to be expected every week. Quizzes may or may not be announced. If you are absent on the day of a quiz you will need to make it up **BEFORE THE END OF THE UNIT**. To improve quiz grades, you have the opportunity to watch videos and take notes; for each video/notes completed, you will receive 2 points per video with a maximum of 10 videos.

TESTS:

Tests will always be announced. If you are absent the day before a test, you must still take the test with your class. If you are absent the day of a test, you have **WITHIN ONE UNIT** to make up the test with no deductions. It is **YOUR** responsibility to schedule a time to make up your test.

- **Tutoring**

Tutoring is recommended for students with averages below 70%. Ms. McLain will be available after school on Mondays from 2:30-3:30pm. If a different day/time is desired, please speak with Ms. McLain **IN ADVANCE** to make arrangements. Please make sure that you have transportation if you are staying after school.

- **Teacher Website and TalkingPoints**

Class website will be updated throughout the semester to help students be successful.

TalkingPoints will be used for notices about homework, quizzes, upcoming tests/assignments or classroom announcements.

- **Progress Reports**

The scheduled dates (mandated by the county) are between the following dates:

3rd Quarter Reports will be given out between 3/2/2020 – 3/6/2020

4th Quarter Reports will be given out between 5/11/2020 – 5/15/2020

- **Calculator Use**

The RHS Math Department recommends that each student obtain a TI-84 graphing calculator for personal use. Because we value academic rigor and excellence, there will be calculators available for use during class time only. We strongly encourage you to have your own calculator for homework and preparation for upcoming assessments. Any student wishing to use a classroom calculator must sign and return the RHS Calculator Contract and will be responsible for that calculator during class time. Use of a calculator can be revoked if it is being misused or damaged.

- **Rolesville High School Student Handbook Policies**

Please refer to the Rolesville High School student handbook to reference other school-wide policies not included in this syllabus. These policies are also expected to be upheld in the classroom at all times.

CLASS EXPECTATIONS:

R

Respect All

Allow everyone to have a say. Be aware of others' thoughts, feelings, and personal space. Allow others the opportunity to learn. Use appropriate language.

A

Accept Responsibility

Follow all directions. Come to class on time and prepared to learn. Turn in assignments on time. Take ownership of your own learning. Show all work on assignments.

M

Make Good Decisions

Plan ahead. Communicate openly with teachers. Advocate for yourself. Follow teacher expectations for classroom movement and participation.

S

Safety Comes First

Notify the teacher when classroom safety is compromised. Keep your hands and feet to yourself. Refrain from horseplay. Keep pathways clear of clutter.

Advanced Functions and Modeling Class Contract

Please Read and Sign the following:

To be completed by student:

I have read the course syllabus and I agree to comply to the class rules and course expectations as outlined above. I understand what is expected for a successful semester and will do my best to succeed in Advanced Functions and Modeling by completing assigned work and seeking help from Ms. McLain. I will take responsibility for my own learning or accept the natural consequences.

Student Signature: _____

Print Name: _____ Date: _____

To be completed by parent/guardian:

I have read the course syllabus given to my given to my student. I understand what is expected for my student and agree to encourage my student's success this semester in Advanced Functions and Modeling. I acknowledge the class policies and expectations and will see to it that my student is in compliance at all times.

Parent/Guardian Signature: _____

Print Name: _____ Date: _____

Preferred Method of Contact: ☐ Phone Phone Number _____

☐ E-mail E-mail Address _____

Please share any other information you believe would help me effectively teach your child (i.e. medical conditions, extra-curricular activities, and academic strengths/weaknesses). If you have any questions, contact me via e-mail. I look forward to working with you this semester!

Si necesita servicios de traducción gratuitos para comprender los procesos escolares, llame al (919) 852-3303

إذا كنت بحاجة إلى خدمات الترجمة المجانية للتعرف على سير العمليات بالمدرسة، اتصل بالرقم (919) 852-3303

Si vous avez besoin de services de traduction gratuits pour comprendre les procédures scolaires, appelez le (919) 852-3303

यदि आपको विद्यालय की प्रक्रियाओं को समझने के लिए निःशुल्क अनुवाद सेवाएँ चाहिए, तो (919) 852-3303 पर कॉल करें

학교/교육 과정에 관한 무료 번역 서비스가 필요하시면 다음 번호로 연락하여 주십시오 (919)852-3303

Nếu quý vị cần sự thông dịch miễn phí để hiểu phương pháp trường học, xin vui lòng gọi số điện thoại, 919-852-3303

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