



BUSINESS, EDUCATION, LEADERSHIP & LAW ACADEMY INTEGRATED MATH 2

Kate Lock

katherine.lock@reyn.org

614-501-4000

- ❖ **Master of Science, SUNY College at Buffalo, Educational Secondary Mathematics**
- ❖ **Bachelor of Science, SUNY College at Buffalo, Secondary Mathematics Education**
- ❖ **Mathematics 7-12 Licensure**

DESCRIPTION OF COURSE

Integrated Math 2 provides a formal development of the basic algebraic and geometric skills and concepts necessary for students to succeed in advanced courses. In particular, the instructional program in this course provides for the use of algebraic skills in a wide range of problem-solving situations. Topics include: (1) Monomials, (2) Quadratics, (3) Functions, (4) Statistics, (5) Similarity, (6) Triangles, and (7) Surface Area/Volume. Students will take the New Ohio State Test, AIR, in April/May as part of their high school graduation requirements.

EQUIPMENT AND MATERIAL REQUIREMENTS

- TI-84 Graphing Calculator (**Required!**)
- 1.5" three ring binder (just to be used for this course)
- Loose leaf paper
- 5 Divider Tabs
- Pencils and erasers
- Ruler
- Compass and Protractor

It is highly recommended that you have:

- Zippered Pencil Pouch
- Colored Pencils
- Highlighter

****The graphing calculator will be used on in-class and state assessments. It is required that students have their own graphing calculator for homework assignments, projects, studying, and state tests. Not having one does not exempt a student from completing their assignments and will result in a zero on the assignment if left incomplete.**

Math Binder: Students are expected to keep a binder that is for math only. This binder will be assigned 20 points every 4-5 weeks and needs to be organized and coherent as per the grading rubric. The goal is to adequately prepare students, in one aspect, for college and career readiness by practicing this simple skill of organization. Binder checks may not be announced, so make sure to keep up-to-date with this. If you are absent, it is your responsibility to get the notes from a classmate or from me either before or after class.

LEARNING OUTCOMES AND GENERAL EDUCATION GOALS

- Prepare students to take grade level assessments.
- Use critical thinking skills through active student learning and real world applications.
- Develop effective communication and reasoning skills.
- Prepare students for future mathematics courses and deeper course work.
- Earn one Mathematics credit toward graduation.

GENERAL INSTRUCTIONAL METHODS

Student learning styles will be assessed at the beginning of the year. From this, instructional methods will be adapted to assist all students in their learning. Methods used will include, but are not limited to, whole class traditional instruction, small group work, independent work, course projects, and homework.

STUDENT EXPECTATIONS

Students are expected to:

- Be in attendance and work from bell to bell. Students are responsible for their own work and it is expected that all students work to their highest potential.
- Come to class everyday on time! (This means in your seat when the bell rings, not outside the door – If you are late, please enter quietly. Extended time will not be given to finish assignments.)
- Pay attention, participate, and ask questions!
- Bring all materials needed to class.
- Be considerate and respectful. This will allow students and teacher to finish comments. Students will use appropriate language and refrain from foul language. You are also to remain on task the entire period.
- Respect the property of others.
- **Keep all electronic devices off and out of sight** (unless directed by teacher). You will have your devices confiscated for the remainder of the day if out at any time. Parental contact will also be made.
- Any beverages in class must be placed on the floor when not in use.
- Take responsibility for yourself and your learning!
- It is okay to be wrong – just don't give up!

COURSE POLICIES

Cell Phones/Electronic Devices: Cell phones are not permitted during class unless otherwise approved by Ms. Lock. The phone should be put away in a backpack, bag, or pocket. It is not to be visible on your desk, in your lap, tucked away in a folder, etc. There is no charging of any electronic device in the classroom unless that award is “purchased” using your doubloons. Failure to follow this directive will lead to confiscation of the device until the end of the school day (it will be locked in my desk) and contact with a parent/guardian. Further violations will follow the Academy’s discipline procedure.

If a cell phone is seen out during an assessment, the student will automatically receive a zero and will be unable to do a retake.

Backpacks/Purses/Bags/Jackets: These items are to be either on the back of your chair or next to your desk. Do not place on your desk or in the middle of the aisle. Your desk is for your learning materials only.

Dress Code: Dress code will be enforced upon entering the classroom. Should you be out of dress code, you will be asked to remove the item. Refusal will result in parental contact as well as being sent to the office. Absolutely NO HOODIES, HATS, DO RAGS, HEAD WRAPS or UNDERGARMENTS are to be seen. Exceptions are made only for religious purposes.

In-School Suspension: If you receive ISS and I provide work for you to do, you are expected to do it (may be a test, copy notes, start a project, do homework, etc). You will not be provided additional time to complete the assignment or given special considerations outside the assignment directions and due date. The assignment is to be handed in to Ms. Lock or the ISS attendant if necessary. In most cases, you can keep it and turn it in upon your return to class. If you do not complete and hand in your work upon your return, you will receive a zero for it. If you have questions about the assignment, please direct them to the ISS attendant who will get in contact with me.

Out-of-School Suspension: If you receive OSS and work is requested (and thus provided), you are expected to complete it and return it. For extended time out of school, you may have it dropped off at the BELL Academy Office where I will collect it and grade it. Otherwise, you may bring it with you upon your return to class. You will not receive extra time to complete this work upon your return. If you need assistance with the work, please email me and I can give you resources to assist in your understanding of the material. If you do not complete and hand in your work upon your return, you will receive a zero for it.

Tardiness: In the event you are tardy to class, enter quietly and get to work. Should you be tardy without a pass, you will lose your daily participation point for that day and be marked in PowerSchool as tardy unexcused. If tardiness becomes a significant issue, contact will be made with a parent/guardian and detention may follow.

Class Cut: Students will be subject to a 60 minute detention on the first offense. Parental contact will be made. Any additional class cuts will be subject to an office referral which may result in a school suspension. If you cut class on test day, you will receive an automatic zero without the chance for a retake.

Absent on Test Day Policy: If you are absent on test day, you will take the test the day of your return. If you were absent prior to the test (within 4 days of the test date) and missed new material the test will be postponed. The test must be taken within one week of the original test date. **If you only miss a review day (no new material was learned), the test will NOT be postponed.** Refusal to take a test will result in a “0” and the student will not be given another opportunity to take the test.

Class Cut on Test/Quiz Day: The student will receive a “0” for the assessment and is not eligible for a retake. Class cuts will be documented with the administration and parental contact will be made.

Test Retake Policy: Students are given the opportunity to retake a test or quiz one time if they received a **grade of 79% (C) or lower** on the original assessment. Students must fill out the “Test Retake Evaluation Form” and follow its instructions in order to qualify for a retake. The form is available in the classroom. All retakes must be taken within 2 weeks of the original test grade being input into PowerSchool. Retakes must be completed after school unless by teacher discretion.

Academic Integrity: Plagiarism, cheating, and all other forms of academic dishonesty are serious offenses. Copying or “sharing” another person’s work (homework included) and allowing someone else to copy your work, and any and all varieties of cheating **WILL NOT BE TOLERATED** and will result in an automatic “0” on that assignment as well as a call home and possible disciplinary consequences in accordance with RHS guidelines. The assignment cannot be “redone” or “retaken” for credit. All parties involved in plagiarism/cheating will receive a zero.

If a staff member reports that a student(s) is cheating in any form, all students will receive a zero as per the description above. Staff members are trusted reporters and I will trust their judgment and interpretation of the situation.

Late Work: All assignments are due on the assigned date. Any homework turned in late will receive a 50% deduction in credit unless otherwise noted by teacher. Homework assignments may be turned in as late as that unit’s Unit Test – assignments will not be accepted after unless other arrangements have been made. Other assignments such as projects, papers, take-home quizzes, etc. will receive a 10% deduction in credit each day the assignment is turned in late. Only excused absences will be exempt from deduction. Vacations are not excused absences. Should special circumstances arise, please see Ms. Lock.

Spirals: A spiral is a 5-question take-home review quiz. The student is given 7 days to complete and turn in this assignment on a separate sheet of lined paper. This assignment is a “background” assignment in that it will occur in conjunction with regularly assigned classroom assignments. Spirals focus on previously learned lesson material and will be directly related to course and state testing material. There will be several assigned each quarter and will be input as a quiz or project grade.

Extra Credit: There will be extra credit opportunities available at times throughout the course. Extra credit is optional and will NOT be made available by request. Extra credit will not be accepted late.

Hall Passes: Students must use their Student Agenda hall passes in order to leave the classroom. The student must fill out the pass in pen and then I will sign. At the end of the quarter, the log will be checked and extra credit points will be awarded when fewer than 2 passes have been used during my class period. Students on the No Fly List will not be permitted to use passes.

No Fly List: The No Fly List is reserved for repeat offender students who misuse the hall pass system and/or skip classes. Once added to the No Fly List, students are not allowed to have a hall pass. In the case of an emergency need (restroom/clinic/office), the teacher will call the office to request an escort. If these students are caught in the hallway, they will receive an immediate 1 day in ISS.

Request Passes: Advisory help is available on Tuesdays and Thursdays each week. Please ask for a request pass to present to your Advisory teacher prior to that day. Students will not be admitted into my Advisory once the bell rings signifying the beginning of the period.

Doubloons: Each week you are eligible to collect a doubloon for each day you are in attendance in class AND have a perfect day in terms of tardiness, being on task, taking care of materials, no inappropriate language/disruption of class, and no unapproved cell phone usage. Collected doubloons may be used to purchase in-class supplies or rewards as posted in the room. All remaining doubloons will be collected at the end of the quarter for a possible drop of the lowest quiz, extra credit points, or supplies.

Food/Drinks: No food is permitted in the classroom unless a doctor's note has been provided or has been pre-approved by Ms. Lock. Please limit beverages to water.

Graphing Calculator: The TI-84 Graphing Calculator is a requirement for this course. It is listed as a required supply. I have a set for in-class use, but you will have homework, projects, and tests that will need this calculator in order to be completed. Not completing an assignment because you "don't have a calculator" is unacceptable. You will receive a zero for any assignment not completed.

** My class calculators do not leave the room. You may leave your own at home for safe keeping and use mine while in my classroom, but you will need one to use outside of class.

ASSESSMENT

There are four grading periods with cumulative semester and final exams. Grades are earned based upon an accumulation of points which are then weighted, and will vary from nine-weeks to nine-weeks. The grading policy is reflective of the RHS policy outlined in the Student Handbook. Your grade will reflect your learning with emphasis on assessments that demonstrate mastery of content. **You earn your grade!**

Integrated 2 Assessment Weights:

Tests: 30%
Quizzes: 40%
Projects: 15%
Homework: 10%
Participation: 5%

RHS Grade Calculation:

A: 100 – 90 %
B: 89 – 80 %
C: 79 – 70 %
D: 69 – 60 %
F: 59 – 0 %

LEARNING SUPPORT

There are many days that I am available after school each week for additional help from 3:30pm – 4pm. Please check the board to see if I am after school that day and arrive to my classroom no later than 3:30pm. There may be other opportunities for additional support. Please see Ms. Lock for additional information.

CLASS REMINDERS

Throughout the year, reminders will be sent via text message regarding assignments, projects, snow days, and any other important information that may be necessary to know. Sign up using the information below. I will not see your phone number nor will you see mine.

Text the following phone number: 405-896-3112

With the message: @lock2021

Parents: You are welcome to join as well!

CURRICULUM OUTLINE

	TOPIC	STANDARDS
1 st Nine Weeks	Unit 1: Monomials Unit 2: Factoring Unit 3: Quadratic Functions & Inequalities	A.APR.1.A A.SSE.1.A A.SSE.1.B A.SSE.2 A.SSE.3.A A.SSE.3.B A.SSE.3.C F.IF.4.B F.IF.5.B F.IF.7.B F.IF.8.A.i F.IF.8.B.i F.IF.9.B A.REI.4.A A.REI.4.B A.REI.4.C F.BF.1.A.ii F.LE.3
2 nd Nine Weeks	Unit 4: Functions Unit 5: Probability Midterm	A.CED.1.B A.CED.2.B F.BF.1.A.ii F.BF.3.A A.REI.7 A.REI.11 S.CP.1 S.CP.2 S.CP.3 S.CP.4 S.CP.5 S.CP.6 S.CP.7 S.CP.8 S.CP.9
3 rd Nine Weeks	Unit 6: Similarity in Figures Unit 7: Right Triangles and Trig	G.SRT.1.A G.SRT.1.B G.SRT.2 G.SRT.3 G.SRT.4 G.SRT.5 G.SRT.6 G.SRT.7 G.SRT.8.A G.C.1 G.GPE.6 A.CED.4.C G.GMD.4 G.GMD.5 G.GMD.6 G.GPE.4
4 th Nine Weeks	Unit 8: Surface Area Unit 9: Volume AIR TEST Final Exam	G.C.5.A G.C.5.B G.GPE.1.A G.GMD.1 G.GMD.3 G.MG.1 G.MG.2 G.MG.3

INTEGRATED 2 COURSE ACKNOWLEDGEMENT

Parental Acknowledgement

I, _____, parent(s) or guardian(s) of _____, Integrated 2 student of Reynoldsburg High School, acknowledge that I have read and reviewed with my student the previous pages of the Integrated 2 Course Syllabus and agree to encourage my student to abide by the rules and procedures stated on those pages.

Parent/Guardian Signature(s): _____ Date: _____

****Email is the most efficient and preferred method of contact. Please write your email clearly and neatly below. Thank you!**

Contact Email: _____

Contact Phone Number :(_____) _____ - _____

Parents have their own PowerSchool access! Please make sure you have access so you can keep up to date with your student's progress. I also send text message reminders throughout the year. Feel free to sign up to receive them as well. Sign up information is on the previous page.

Please read through the needed course supplies. The graphing calculator is a necessary tool that will be used consistently throughout this course and be needed on state tests. To give your student the best advantage, they will need to have their own TI-84 Plus graphing calculator.

Questions or Concerns?

Student Acknowledgement

I, _____, Integrated 2 student of Reynoldsburg High School, acknowledge that I have read and reviewed with my parent(s)/guardian(s) the previous pages of the Integrated 2 Course Syllabus and agree to abide by the rules and procedures stated on those pages **including the cell phone policy.**

Student Signature: _____ Date: _____

Consequences for breaking classroom and/or school rules:

First Time: A verbal warning that will be recorded. Home will be contacted.

Second Time: Teacher assigned 30 minute detention.

Third Time: Teacher assigned 60 minute detention.

Fourth Time: Student will be sent to the office with a referral for further discipline.

Please refer to the student handbook for issues that require immediate referral to the office.

SIGNED FORMS ARE TO BE RETURNED BY **Friday, August 24** for assignment credit.