



Dutch Fork High School
Math Department
Reasoning in Mathematics CP
2025-2026 Course Syllabus

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Planning Periods: 1A & 7B
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I. Course Catalog Description

Prerequisite: Completion of Geometry and Algebra 1

Reasoning in Mathematics (RM) engages students in relevant problems that focus on how mathematics and statistics inform decision-making. It prepares students for post-secondary options with instruction that focuses on modeling real-world situations. RM emphasizes statistics, quantitative reasoning, modeling, and financial applications and features a variety of mathematical and statistical tools useful for decision-making. Students will persist in solving problems related to investing, data collection and analysis, informed decision-making, case studies, transformations of geometric figures, estimation, and sequences. Students will use appropriate tools, including technology, to model mathematics. Students will use structure and regularity of reasoning to describe mathematical situations and solve problems. This course is based on SC College and Career Ready Standards for Mathematics for Reasoning in Mathematics. This can be a terminating course for students NOT on a college pathway, OR students may take Algebra 2 after this course to follow the college pathway.

II. Course Standards or Objectives

Reasoning in Mathematics standards may be found at [South Carolina State Mathematics Standards](#).
District 5 of Lexington and Richland Counties Success Criteria: [Reasoning in Mathematics](#)

III. Instructional Goals

Students will be actively involved in the class. Lecture, group work, independent and guided practice will be used regularly. Use of scientific and graphing calculators will be integrated into the curriculum. New material will be introduced through lecture or discovery methods. There will normally be time in class for students to explore/analyze concepts individually or in small groups. Students should check Google Classroom for assignments and due dates.

IV. Course Sequence/Pacing Overview

1st Nine Weeks	2nd Nine Weeks	3rd Nine Weeks	4th Nine Weeks
Unit 1: Course Introduction Unit 2: Patterns, Sequences, and Correlation	Unit 3: Managing Money Unit 4: Matrices and Animation Mid-Term Exam	Unit 5: Intro to Statistics and Qualitative Data Unit 6: Displaying and Analyzing Quantitative Data	Unit 7: Logical Reasoning and Truth Tables Unit 8: Statistical Experiment and Presentation Final Exam

V. Textbooks and Additional Resources

Thinking Mathematically, 8th Edition

Robert F. Blitzer

Pearson 2023

Materials Needed: Three ring binder (1-inch minimum), loose-leaf notebook paper, #2 pencils (everything turned in must be in pencil), graph paper, charged chrome book, and colored writing utensils (markers, colored pencils, highlighters, etc.). As an instructor, I will use Desmos, Google Sheets, and other web-based tools for demonstrations.

VI. Course Grading Policies and Assessments

- A. Student progress in this course will be monitored through major tests, quizzes, classwork assignments/activities, projects, and homework proficiency. All tests, quizzes, homework, and projects must be completed in **pencil** unless submitted electronically.
- B. Grades for this course will be determined based on the following percentages: 60% major grades and 40% minor grades per quarter. Major grades consist of unit tests, cumulative reviews, and projects. Minor grades consist of quizzes, classwork, homework, and smaller projects. There will be an exam that counts for 20% of each semester grade. First and second semester grades are then averaged together to obtain the final course grade.
- C. Independent practice will be assigned and submitted after each class. In order to receive full credit for the assignment students must complete it on time and show 60% mastery. Do not leave a problem blank. Attempt to solve each problem. Please review class notes and utilize the support materials on the textbook website if you need help.
- D. Late homework will be accepted up until the corresponding unit test date. Late homework must be fully completed and show 60% mastery to receive credit.
- E. Reasoning in Mathematics does not have a State Mandated EOCEP (End of Course Exam).
- F. Uniform Grading Scale and Make-up Work Policy are in sections XII and XIII.

VII. Grading Procedures

Continuing in the 2025-26 school year, grades for minor assignments must be posted within 5 school days, and major or extended assignment grades must be posted within 10 school days.

- Major Grades - Assignments that students are given 2 or more classes (more than 48 hours) to produce or prepare. The following will be major grades in all content areas:
 - Test
 - Essay
 - Research paper
 - Speech/Presentation
 - Project
 - Cumulative Assignments
 - Summative Assignments
 - Lab Reports
- Minor Grades - Assignments that students are given 1 class (48 hours) to produce or on-the-spot work. The following will be minor assignments in all content areas:

- Homework
- Quiz
- Vocabulary
- Classwork
- Formative Assessments
- Journal Entries
- Other department specific assignments

VIII. Exam Exemptions

Seniors on track for graduation can exempt final exams in semester classes and year long classes if they meet the following conditions:

1. Grade of 80 or higher in the course.
2. Has not had an Out of School Suspension.
3. Has no seat time.

IX. Honor Code

In order to foster an environment of mutual trust and respect, we believe, within the community of School District Five of Lexington and Richland Counties, each individual should accept the personal responsibility to exhibit and promote academic and social integrity. *Students will not cheat or plagiarize.*

X. Suggestions for Success in Course

- In this course, the depth of topics, the pace at which the topics are covered, the breadth of application of concepts, and the expected retention of topics are substantial. It is expected, therefore, that mathematics students assume a great deal of responsibility for their learning, actively seeking assistance if they perceive it is needed. It is strongly suggested that students regularly spend time daily outside of class studying. This will provide not only an opportunity to do homework assignments, but also allow time to reflect on the importance of the topic or skills learned, the application of the concept and the relationship of the topic with other topics they have learned.
- Prior to each class, students should review the notes, classwork, homework, and reading assignments from the previous class. Students must complete all homework assignments and identify problem areas that need further assistance.
- When studying for a test, students should review their notes, classwork and homework problems, and utilize the review section at the end of each unit. Students should also have a thorough understanding of all vocabulary terms.
- **DFHS Math Department Content Recovery Plan:** The content recovery program consists of a course-specific, skills-based learning opportunity for students who are still enrolled in a course who have not achieved mastery of course content that has already been addressed. Content recovery allows a student to retake a subset of a course, including a single unit, more than one unit, or other supplemental assignments/activities assigned and approved by a certified teacher as needed for the student to achieve mastery of the course content. Students who score a 60 or below will be eligible for content recovery after every major test. The score for that major test may be changed by earning a passing grade either through a teacher-made retest or Apex Learning remediation at the teacher's discretion based upon the best test to measure content remediation. If the retest is teacher-made,

students must show that they have completed all homework and reviews that lead up to the retest with at least 60% accuracy. If the retest is through Apex Learning, students must complete all quizzes with a passing grade (60% or higher) that lead up to the retest. Work leading up to the retest may be completed at home, but any test must be taken at school under supervision of the teacher or a designated tester arranged by the teacher. If the student passes the retest, that test score will be changed to a 60. If the student fails the retest, the higher of the two failing scores will be entered in the gradebook. There is only one retest per major test. The student has a maximum of 10 school days after the test is returned to complete the retest. If a student continually needs to retest, the student and parent must conference with the teacher to determine a path for success on the first testing. Parents are highly encouraged to monitor student grades on Parent Portal to ensure students complete the recovery within the allotted time period.

XI. Classroom Management Plan

A. Routines and Procedures:

I believe all students can and should behave appropriately in class. I will not tolerate any student preventing me from teaching and/or any student from learning. To guarantee your child and all the students in this class the best learning environment, I will be utilizing the Discipline Plan below.

CLASSROOM RULES:

1. BE PROMPT. Be ready to begin work with the appropriate materials when the period begins. Stay on task until the class is dismissed by the teacher.
2. BE ATTENTIVE. Participate in class work and remain on task at all times.
3. BE PREPARED. Complete homework daily, and bring all required material to class each day.
4. BE RESPECTFUL. Be courteous and respectful in language and actions to teachers, classmates, and visitors. Treat all school property and equipment properly.
5. LISTEN TO INSTRUCTIONS. Follow instructions promptly.
6. KNOW AND OBEY SCHOOL RULES. Rules and procedures are in the student handbook.

CONSEQUENCES:

- Initial misbehavior will result in a verbal warning from the teacher.
 - Failure to correct the misbehavior will result in one of the actions listed below (whichever is deemed appropriate by the teacher):
 1. Verbal warning and student-teacher conference
 2. Parental notification/conference
 3. Discipline referral to appropriate administrator
- ** Any instance of severe disruption of class or misbehavior will result in the student's immediate disciplinary referral to the principal.

B. Students are expected to follow all rules and guidelines listed in the Student Handbook on the school's website.

C. Students are expected to use school and personal technology responsibly and follow rules included in the [25-26 District Issued Device Guide](#) and [Acceptable Use Agreement](#). This includes:

- Having a charged mobile device (district-issued Chromebook or comparable personal device) at school EVERYDAY.
- Not using devices assigned to other students.
- Being responsible for their own devices and should keep them secured at school and off campus.
- Following all teacher directions regarding appropriate times for use of the device.

XII. Uniform Grading Scale

See [State Department of Education website](#) for complete details.

10 Point Grading Scale				
South Carolina Uniform Grading Scale Conversions				
Numerical Average	Letter Grade	College Prep Weighting	Honors Weighting	AP/IB/Dual Credit Weighting
100	A	5.000	5.500	6.000
99	A	4.900	5.400	5.900
98	A	4.800	5.300	5.800
97	A	4.700	5.200	5.700
96	A	4.600	5.100	5.600
95	A	4.500	5.000	5.500
94	A	4.400	4.900	5.400
93	A	4.300	4.800	5.300
92	A	4.200	4.700	5.200
91	A	4.100	4.600	5.100
90	A	4.000	4.500	5.000
89	B	3.900	4.400	4.900
88	B	3.800	4.300	4.800
87	B	3.700	4.200	4.700
86	B	3.600	4.100	4.600
85	B	3.500	4.000	4.500
84	B	3.400	3.900	4.400
83	B	3.300	3.800	4.300
82	B	3.200	3.700	4.200
81	B	3.100	3.600	4.100
80	B	3.000	3.500	4.000
79	C	2.900	3.400	3.900
78	C	2.800	3.300	3.800
77	C	2.700	3.200	3.700
76	C	2.600	3.100	3.600
75	C	2.500	3.000	3.500
74	C	2.400	2.900	3.400
73	C	2.300	2.800	3.300
72	C	2.200	2.700	3.200
71	C	2.100	2.600	3.100
70	C	2.000	2.500	3.000
69	D	1.900	2.400	2.900
68	D	1.800	2.300	2.800
67	D	1.700	2.200	2.700
66	D	1.600	2.100	2.600
65	D	1.500	2.000	2.500
64	D	1.400	1.900	2.400
63	D	1.300	1.800	2.300
62	D	1.200	1.700	2.200
61	D	1.100	1.600	2.100
60	D	1.000	1.500	2.000
59	F	0.900	1.400	1.900
58	F	0.800	1.300	1.800
57	F	0.700	1.200	1.700
56	F	0.600	1.100	1.600
55	F	0.500	1.000	1.500
54	F	0.400	0.900	1.400
53	F	0.300	0.800	1.300
52	F	0.200	0.700	1.200
51	F	0.100	0.600	1.100

All report cards and transcripts will use numerical grades.

A=90-100; B=80-89; C=70-79; D=60-69; F=Below 60

Each final grade (numerical) will have different weighting for the basis of computing GPR. The chart included gives the weighting for each numerical value.

Extra weight is given to honors (.5) and AP (1.0) courses. This policy also establishes that courses may not be dropped after the fifth (5th) day in a semester class or after the tenth (10th) day in a yearly class without penalty.

Students may only retake a class at the same difficulty under the following conditions: Only a course in which a D or F was earned may be retaken.

The course must be retaken at the first opportunity within the next year. The student's record will reflect all courses taken and the grade earned, except for courses taken prior to the ninth grade.

XIII. Student/Teacher and Parent/Teacher Communication

- A. All students should use district issued email accounts for communicating with teachers (studentnumber@stu.lexrich5.org).
- B. All students should check school email, Google Classroom and Google Calendar every school day.
- C. Parents and students should check the teachers' websites for classroom calendars/assignment sheets.
- D. Parents may contact teachers via email in order to receive invitations to Google Classroom parent/guardian signup. Parents will receive an email from Google and then need to register to receive emails from Google Classroom. Once a parent is registered to receive emails from one class, he/she will receive emails from all Google Classroom groups. It is not necessary to contact all teachers to register.
- E. Emails and phone calls to teachers will be returned within two business days.
- F. Parents and students who would like access to the parent/student PowerSchool portals should visit the DFHS attendance office for login information.

XIV. School Attendance and Make-up Work Policy

Students are encouraged to attend school regularly. If, however, a student must be absent from school for any reason, it is his/her responsibility to make-up all missed work.

Students who miss more than one half of an instructional block will be marked absent for that block of instruction. See the Student Handbook on the school website for full attendance and absence policy.

Since it is in the student's best interest to make up all missed work as quickly as possible, the following guidelines have been established for make-up work:

- A. *When a student misses a class meeting*, all previously assigned work that was due the day of the absence is due no later than the beginning of the next class meeting in which the student is present. All work missed as a result of the absence is to be completed by the beginning of the second class meeting from the absence.
- B. *When a student misses two consecutive class meetings*, all previously assigned work due while the student was absent and all work missed as a result of the absence should be completed by the beginning of the second class meeting from the absence.
- C. *When a student misses three or more consecutive class meetings*, he/she must make specific arrangements for make-up work with each teacher the day he/she returns to class. The amount of time given for completion of work will be up to the teacher's discretion based on the amount of work missed and the level of difficulty of the material.
- D. Long term projects and papers are due when the teacher says they are due. In the event of an absence, the student or the student's parent should notify the teacher in advance or upon immediate return to school.
- E. Students are responsible for the work they miss while on a field trip or attending any other school event. Students should contact each of the teachers whose classes they will be missing to make specific arrangements with them regarding all make-up work. Teachers may choose for work to be submitted in advance. If the student does not follow the teacher's guidelines, the student will receive the academic penalty as assigned by the teacher.
- F. Students must make every effort to complete all make-up work according to these established guidelines. If the student has not submitted his/her make-up work within the specified timeframes outlined above or as directed by the teacher, the teacher has the option of not accepting the work. As with anything, regular communication with the teacher is encouraged.

XV. Syllabus Acknowledgement and Information Form

Please take time to read and discuss the syllabus and discipline plan with your child; then access and digitally sign the appropriate forms using the links provided below.

[Syllabus Acknowledgement and Parent / Guardian Information Form](#)