



Stephen Decatur High School – Course Syllabus – Semester 2
Course Title: Algebra II (Part 2)



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Teaching Schedule:

Period	Course	Room #
1	College Preparatory Math Review	D 157
2	Planning	D 157
4	Algebra II (Part 2)	D 157
5	Algebra II (Part 2)	D 157

Course Description:

Algebra II is an extension of Algebra I and includes, but is not limited to, the following topics: real and complex number systems, linear equations, and inequalities, quadratic equations, conic sections, exponential and logarithmic functions, with a continuous emphasis on problem solving and application. This course is recommended for, but not limited to, college bound students.

Course Goals & Objectives:

- To provide a mathematics curriculum that meets individual student needs and abilities.
- To help students realize the impact of mathematical literacy on their lives and society.
- To help students learn the mathematic skills necessary to take advantage of vocational and higher educational opportunities.
- To encourage students to do their best in this mathematics course, so that their transition through each of the required mathematics courses will be successful.

Course Textbook:

- Algebra and Trigonometry: Structure and Method (Book 2) written by Brown, Dolciani, Sorgenfrey, & Kane, and published by McDougal Littell.

Topics Covered:

- Chapter 5: Rational Expressions
- Chapter 8: Variation and Polynomial Equations
- Chapter 6: Irrational and Complex Numbers
- Chapter 10: Exponential and Logarithmic Functions
- Chapter 7: Quadratic Functions and Equations

Evaluation Criteria:

Homework	15%	} Course Grade: 90%
Classwork (Warm Up Sheet, graded assignments, etc.)	20%	
Participation (notes/notebook, participation (effort & attitude) chart, etc.)	15%	
Quizzes	20%	
Tests	25%	
Midterm Exam*	5%	
Final Exam*	10%	

* All students enrolled in Algebra II (Part 2) are required to take Worcester County developed mid-course and final exams that reflect the NCTM standards. The midterm exam will be at the end of the third quarter and the final exam will be at the end of the fourth quarter.

Daily Expectations

Classroom Procedures:

1. Be seated at your desk, with all books and materials ready when the bell rings.
2. Respect your school, your classroom, yourself, and others.
3. Raise your hand and wait to be called on to speak or to leave your seat.
4. Listen to and follow directions the first time they are given.
5. Leave personal grooming to the restroom.
6. Cell phones and electronics are not permitted in instructional areas during the school day.

Consequences: (You Choose to Accept if You Ignore a Classroom Procedure)

- First Offense: Student receives a warning from teacher during or after class.
- Second Offense: Guardian contacted and student assigned a detention.
- Third Offense: Student receives an office referral.
- Severe Disruption: Student sent immediately to the office.

Rewards: (You Earn for Following All Classroom Procedures)

- Daily: Verbal Praise
- Weekly: Encouraging Notes on Work
- Monthly: Positive Behavior Referrals, Homework Delay Passes, Bonus Hall Passes

Electronic Use Policy

Students will be given ONE warning. This warning will be issued at the beginning of the school year during their class meeting. Cell phones and electronic usage is not permitted in hallways and instructional areas during the school day, excluding lunch. Should a student be seen using their cell phone or electronic device during this time, the following steps will be taken:

First Occurrence: Confiscation of device. The device may be returned no later than the end of that school day.	Second Occurrence: Confiscation of device with referral to the administration.
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Once the administration receives the referral, the following steps will take place:

- First Referral: Confiscation of device until the end of the day, with a parent conference by phone or in person.
- Second Referral: Confiscation of device, Saturday school and a parent must come in for a conference to retrieve phone.
- Third Referral: Confiscation of device, Out of School Suspension, and parent must come in for a conference to retrieve device.

Note: Refusal to hand over the electronic device will result in an immediate referral to the office. Also, excessive defiance of the electronic use policy will result in the permanent collection of electronic devices from all students at the beginning and return at the end of every class period.

Daily Classroom Routines

Materials Needed for Class

- Stephen Decatur High School Agenda (used daily for hall passes & to record assignments).
- At least 3 pencils (highly encouraged to complete ALL mathematics work in pencil).
- Erasers (pencil top or hand held).
- 3 Ring Binder (may be shared with other classes).
- Dividers (Incomplete Work, Finished Work, & Notes).
- Plenty of Loose Leaf Paper (at least 10 sheets per day).

1. Warm Up (start of class...)

- Get warm up sheet & calculator (if needed).
- Prepare class materials (binder, plenty of paper, homework, agenda, and writing utensils).
- Place all bags and purses in designated area (under desk or back of room) and return to seat.
- Complete warm up individually and silently, using your notes, if you need help.
- Warm up should remain on your desk until the problems have been discussed.
- Prepare to volunteer or to be randomly called on to share warm up answers.
- Pay attention to and correct any mistakes.

2. Homework (during homework review...)

- Make sure you show work to receive credit for your homework.
- Teacher will assign a grade for your homework during the warm up, unless stated otherwise.
- Homework should remain on your desk until the problems have been discussed.
- Prepare to volunteer or to be randomly called on to share homework answers.
- Pay attention to and correct any mistakes.

3. Instruction (while teacher is teaching...)

- Be sure to have a pencil and note paper ready to copy all notes and examples.
- Sit up, focus on the lesson, and make an honest effort to understand the topic.
- Listen carefully to and follow all directions.
- Copy any and all steps on notes. If the teacher writes it, you need to write it on your notes.
- Ask sensible questions at an appropriate time.
- Keep notes and examples out to help you complete the classwork and/or homework.

4. Classwork (when you are working...)

- Complete classwork quietly and show your work to receive credit.
- Raise your hand and wait to be called on to speak or to leave your seat.
- If you finish early, find something to work on quietly, while you wait for further directions.

5. Assign Homework (end of class...)

- It is your responsibility to make sure you have the homework before you leave class.
- Participation charts and calculators must be returned before you leave class for the day.
- Get belongings from designated area and return to assigned seat to pack up class materials.
- Straighten desks, throw away any trash you see, and help keep our classroom clean.
- When the bell rings to end class, everyone must be seated before you will be dismissed.

Note: If you need help, please ask. I am usually available after school to offer help. Let me know the day before you would like to receive help, so I can make sure my schedule is free!

10 Frequently Asked Questions

1. Where do I find the work I missed when I was absent?

Every class has a color coded “absent” folder that will contain any assignments you missed. In the folder, you should find the work that contains your name. You will be expected to turn in all completed make-up work, within five days (it is highly recommended that you complete the assignment in a timely manner, as putting off missed assignments may cause confusion with the current material).

2. What do I do if I need to leave the classroom (restroom, nurse, another teacher, etc.)?

Wait until there is a break in the class routine (NOT during the 1st or last 10 minutes of class) and raise your hand. After receiving permission, please fill your agenda out to be signed by the teacher (you are NOT allowed to leave the room without YOUR agenda). Fill out the sign-out sheet on the clipboard. Proceed directly to and back from your destination. Sign the Return Time, when you return.

Note: You will receive 5 hall passes for the restroom and water fountain. After they have been used, an emergency hall pass may be granted, but will require you to make up the time missed.

3. What do I do if forgot some of my class materials (pencil(s), agenda, etc.)?

Ask several classmates to borrow the item(s) before you ask the teacher.

4. What do I do if I forgot my homework and/or classwork?

Homework and classwork are due the day after they are assigned, unless stated otherwise. Late work will not be accepted (you will receive a “0”). If you were absent the day an assignment was due, it is your responsibility to turn it in.

5. What happens if I am late to school/class?

If you are late to school, go to the attendance office to get a pass before you come to class. If you come to class with a legitimate note or an EXCUSED note from attendance, the lateness will be excused. If you come to class without a legitimate note or an UNEXCUSED note from attendance, the lateness will be dealt with according to the SDHS lateness policy. 1st UNEXCUSED Lateness: Warning, 2nd: Guardian Contact & Detention, 3rd and any additional lateness(es): Office Referral.

6. What do I do if I hear an emergency alert signal (fire drill, etc.)?

Freeze. Look towards teacher. Listen for instructions.

7. What do I do if my all of my pencil points break, I run out of lead, or need an eraser?

Wait until there is a break in the class routine and raise your hand. After you have been given permission, please quickly and quietly resolve the issue.

8. What do I do if I have trash I need to throw away?

Make a small pile and wait until the end of the class period to throw away the trash.

9. Can I eat or drink in class?

Eating and/or drinking will NOT be allowed in class, unless you are drinking water.

10. What is my grade in this class?

Grade slips will be distributed throughout the semester. Current class grades may be obtained on PowerSchool: <https://ps.worcesterk12.com/public> (see Guidance for Login information).