

# Austin-East Magnet High School

## *SAILS Math*



Instructor: Desiree Seay

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Welcome to SAILS Math. I am excited to get to know all of you. I hope that you will grow in your love for mathematics this semester. Please keep in mind that we are all working towards mastery on the End of Course (EOC) exams for not only a HS math credit but additionally, 2 year community college credit. The focus of this class is the successful attainment of Proficiency or better on all presented modules. If you have any questions regarding any of the information you have been given, please feel free to contact me at the above email address or phone number.

### **Course Description:**

Building on their work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

### **TN Standards:**

<http://www.tn.gov/education/standards/math/bridge\pdf>

### **Required Text:**

Prentice Hall, Algebra Bridge (Tennessee Edition) provided for in-class use.

### **Other Resources:**

Throughout the course of study, students **may** view films, film-clips, documentaries or educational programming directly correlated to their study, if time permits. All audio-visually will comply with Knox County Schools guidelines. Possibilities include the following:

- Appropriate YouTube clips, TeacherTube clips, MathTV clips, PBS, and Khan Academy

**Alternate Assignments/Activities:**

If you do not approve of a specific resource listed in the syllabus or Canvas, please make your request to me in writing/email and an alternative assignment will be provided for equal credit. The request should include your name, the child’s name, the specific activity/materials in which you do not want your child to participate or to which you do not want them exposed, and the nature of your objection per Knox County Policy.

**Class Materials:**

- 3-Ring Binder
- Loose-Leaf Notebook Paper
- Pencils

**Course Fee:**

Austin-East Magnet High School has a \$10 math fee for Algebra II.

<b>Category</b>	<b>Percentage weight</b>
End of Course Exam	25%
Module Exams	30%
Module Review	25%
Attendance	20%
Total	100%

**Skills Assessment:**

Because of the variety of skills covered in this course; a variety of techniques will be used to assess them. A mix of both formative assessments (such as quizzes and other checks for understanding) and summative assessments (such as unit exams and other written products) will be utilized to determine your students understanding of the content being taught. It is also important that a student tell me if he/she does not understand the material.

<b>Knox County Grading Scale</b>	
<b>Grade</b>	<b>Percentage</b>
A	93 – 100
B	85-92
C	75-84
D	70-74
F	< 69

## **Course work and Grading:**

A student's grade is determined by the course work done in the classroom and the End of Course Exam (EOC) given by the Pellissippi State Community College. Grades will be provided to the student when the assignment is given back. The Knox County Grading Scale will be used for this class. It is recommended that to be successful, and student strives to maintain an 85% in the class at all times. The material presented in SAILS is based on each students progressive mastery. Students must acquire at least an 80% of mastery on every assignment and exam in order to move throughout each module. Failure to achieve mastery will mean the student must redo that assignment or assessment until they pass. SAILS consists of 5 modular units and 4 STEM units. Following the completion of all assignments, the student will be required to complete a written final cumulative review and exam, on which the student must score at least a 75% of mastery.

## **Technology:**

Austin-East has selected to emphasize the school-wide use of interactive multi-media sources in order to enhance one-to-one technological instruction in the classroom and beyond. In an effort to support academia the mathematics department has opted to specifically use Canvas as all-in-one solutions for the synchronized use of iPads in the classroom that makes lectures more engaging through interactive multimedia presentations, activities, and assessments. With these sources, teachers can create mobile presentations, engage students in class, and assess them in real time. Throughout the entirety of this course, teachers will deliver their existing content through mobile (iOS or Android) devices and get instant feedback from students through interactive features like polls, quizzes, practice activities, and supplemental instruction.

**Aspen** – Aspen is the gradebook program for Knox County Schools. It provides teacher, students and parents access to student grades.

The SAILS Math course is considered a PLE (Personalized Learning Environment) course, and will be administered via a computer or electronic device daily. Using Google Chrome, students will login into the following website <https://www.sailstn.mylabsplus.com> and complete assigned work and assessments.

## **Expectations:**

Austin-East Magnet High School has very clear expectations for our students. These expectations set the stage for success in the classroom. All school rules, policies, and/or procedures will be followed in my classroom.

### **SCHOOL WIDE EXPECTATIONS:**

1. Be Ready
2. Be Respectful
3. Be Responsible
4. Be Safe

We will go over these expectations in detail the first day. While procedures and routines are outlined, students will assist in creating class rules during the first week of school.

## **Attendance:**

I expect students to make attendance a priority. If you are not present, you miss out on valuable learning opportunities and end up playing "catch-up" The simplest solution: attend class. It is very difficult to stay afloat once you have fallen behind. SAILS math is a self-paced course, so attendance is a critical portion of each students grade. Students are allowed and encouraged to complete module assignments outside of school. All exams must be completed in the presence of the assigned proctor. Students are strictly prohibited from completing any SAILS Math assessment without a proctor present. AN

**Tardy Policy:**

To assist in lowering student tardies, AEHS has created an additional warning bell set to ring exactly one minute before classes start. Students, who are not in the room when the bell rings, will be marked tardy. Every 3<sup>rd</sup> tardy results in a referral, a phone call home, and a day in ISS according to the school policy. Additionally, tardies will result in point deductions from the attendance grade.

**Makeup Work:**

When a student misses class for ANY REASON, make-up will need to be done. Students must make arrangements with me to discuss the work they miss after an absence. Knox County policy states that students have up to three days after an absence to inquire about makeup work. All makeup work is due within one week of the absence. Students participating in field trips need to make arrangements prior to missing class to make-up the missed class time. Progression in the class is solely based on completed work in SAILS, so there is not assigned make-up work. Students must catch up to the proper standing according to the pacing guide.

**Late Work:**

The first late assignment will be forgiven. Additional late assignments will result in a percentage-based reduction at loss of 10% per school day late. Missing assignments will count as a zero. Work MAY NOT be made up after the close of the grading period in which it was assigned.

**Hall Pass Policy:**

The bathroom should be used during class change and well as runs to the drinking fountain and other errands. There is no reason that a student should not be able to use the bathroom or get a drink between classes. However, emergencies do occur. Each student will be afforded two "emergency" bathroom passes for each month to handle such situations. Medical concerns should be addressed with a doctor's note in order to be honored. If a student requires bathroom privileges beyond the given passes, they will need to serve time for time after school. Failure to serve a time for time will result in a write up for being out of area.

**CELLULAR PHONES:**

Students are permitted to use cellular telephones and electronic devices during non-instructional times between classes and at lunch. For this reason, a strict "OUT OF SIGHT, OUT OF HEARING" policy has been created to protect the sanctity of your educational opportunity. There will be no warnings. Upon entering the class, all cellular devices will be collected and redistributed at the end of class. **Please Understand: At no point will a student be permitted to obtain/use a cellular device during this course due to security purposes established by Roane State & Pellissippi State Community College.** If I see or hear the phone, I will ask the student to put the phone in the cell phone detention area until the end of class. In addition, failure to comply will result in a zero for the attendance grade. If the student refuses, then a referral will be written and could in result in class removal or failure with a phone call home.

**Tutoring/Extra Help:**

If a student is struggling in class, there are many options available for tutoring through Austin-East. Please contact me if you feel that you need additional help. Speak with me ahead of time so that I can make arrangements to stay after school and tutor.

**Internet Usage:**

Students are allowed to use the computers unless a parent provides a written request to disallow the students use of the internet.

**Honor Code/Plagiarism Policy:**

According to Harbrace Handbook, 15th edition: "Plagiarism is defined as presenting someone else's ideas, research, or opinion as your own without proper documentation, even if it has been rephrased. It includes, but is not limited to the following:

1. Copying verbatim all or part of another's written work;
2. Using phrases, figures, or illustrations without citing the source;
3. Paraphrasing ideas, conclusions, or research without citing the source;
4. Using all or part of a literary plot, poem, or film without attributing the work to its creator."

**Consequences for Plagiarism:**

As plagiarism is a form of stealing and academic fraud, committing such an act carries both a grade penalty and disciplinary action. Students found guilty of plagiarism will be given a zero for the assignment and/or be referred to the office for violating student conduct.

**Communication with Parents and Students:**

- Email: The best way to reach me is by email, [desiree.seay@knoxschools.org](mailto:desiree.seay@knoxschools.org) . I check it at least once a day and will respond.
- Phone: You may also call the school phone **865- 594-3792** and leave a message for me. If you would like to request a conference, please call guidance and the counselor will schedule one.

Thank-you for your time. I look forward to working with all the students this upcoming year. If you have any questions, comments, or concerns please feel free to contact me via email or phone.

Sincerely,

Desiree Seay

Math Department

Austin-East Magnet High School

# Course Outline for SAILS

## SAILS – Seamless Alignment and Integrated Learning Support

### SAILS Course Structure:

- There are 5 modules that correspond to the 5 Learning Support Math competencies. Each module consists of a video lesson and homework for each topic, Check Points over some topics, a module review and a module test.
- Media/Homework: Each topic has a Media and Homework component. Media contains video lessons that must be viewed by the student and usually includes a shortcut to the associated textbook lesson. Students should take notes and may re-watch a video as often as necessary. Media and homework are labeled by chapter, section and short description. Students must score 80% on the homework before they can move to the next topic. (Note: A few topics include several short videos, as opposed to one longer one, and a few include PowerPoints.)
- Topics and Modules must be completed in order, as they are listed on the Checklists.
- Module Tests: Students successfully complete a module when they score 80% or higher on the module test. Calculators, clean paper and pencil are the only resources that may be used on an exam, with the exception of the Formula Sheet for Module 1 and the Unit Conversions sheet for Module 5. Refer to Academic Integrity forms for specific guidelines regarding testing.

### SAILSPlus (or STEM) Course Structure:

- The STEM option is beyond the scope of SAILS. While it is recommended that graduation be dependent upon the completion of SAILS, the STEM option is available for students to become even better prepared for college.
- Course Structure: There are 4 parts to the STEM portion and it is similar to the modules layout, except that there is a Quiz, not a Review, before the Test. There is also a Final Exam, to be taken upon successful completion of the STEM 4 Test.
- Media/Homework: Similar to the modules. A few topics are repeats of topics covered in SAILS. For these topics, the Media portion may be the same but the Homework set is not.
- STEM Tests: Same guidelines as with the module tests. Note: No formula sheets of any kind are allowed on the STEM tests.
- Final Exam: After successful completion of STEM Tests 1 – 4, students must take and pass (with 70% or higher) a paper and pencil, multiple choice Final Exam that is provided by Pellissippi State. This Final Exam is comparable to the one given in PSCC's MATH 1030. PSCC will provide the exam, which will be given and graded by the SAILS teacher. The exam must then be returned to Angela Partelow at PSCC to be kept on file. Passing the MATH 1030 Final Exam (with a grade of at least 70%) is equivalent to passing MATH 1030.

## Syllabus Acknowledgement and Information Sheet

I, **(student name)** \_\_\_\_\_ have read and understand the attached syllabus.

Signature: \_\_\_\_\_

Please complete your schedule below:

Period	Class	Teacher
1	SAILS	Ms. Seay
2		
3		
4		

Group/Sport	Sponsor/Teacher/Coach

### Parent/Guardian Info:

Name:	Relationship:
Home Phone:	Cell Phone:
Email:	Do you prefer email/phone? What time?
Name #1:	Relationship:
Home Phone:	Cell Phone:
Name #2:	Relationship:
Home Phone:	Cell Phone:

Is there anything that you would like me to know about your student?

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\_\_\_\_\_ By signing this, I am  
acknowledging that I have read the syllabus for Ms. Seay's Bridge class. I understand that if I have any questions or  
concerns, I may contact her one of the ways mentioned in the syllabus.

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Parent/Guardian Signature

Date

**For Teacher Use**

Office Hour Visits/Contact/Notes:

Date	Subject Matter