



# **Math Success at SHS**

**March 24, 2022**

Mrs. Curran  
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# IXL/KHAN Academy

<https://www.ixl.com/>

- Pre-Algebra to Calculus
- Practice Activities
- Homework, Additional Practice & Summer Work

[www.khanacademy.org](http://www.khanacademy.org)

- Pre-Algebra to Calculus
- Instructional Videos & Practice Activities

# Google Classroom Classroom Planners

## Daily Work

3.10	Posted Yesterday
3.9	Edited Mar 9
3.8	Due Mar 9
3.7	Due Mar 8
3.4	Due Mar 4
3.3	Posted Mar 3
3.2	Edited Mar 2
2.28	Edited Feb 28
2.25	Edited Feb 25
2.24	Due Feb 25

View more

DAY	Learning Targets	Notes For Teacher	Classwork	Homework	Answer Key/ Additional Resources
Day 1	Lesson 1: Scale Drawings I can dilate a figure given a scale factor and center.	Use All (Use Ruler to scale diagrams)	<a href="#">Lesson 1 Student Task</a> <a href="#">Lesson 1 Practice Problems</a> <a href="#">Lesson 1 Cooldown</a>  1.1, 1.2, 1.3, 1.4	<a href="#">6.1 notes/Practice</a>	Modified Documents <a href="#">U3 L1 Student Task</a> <a href="#">U3 L1 Practice Problems</a> <a href="#">U3 L1 Summary</a>
Day 2			Cross Multiplication and solving proportions practice  Unit Conversion???		
Day 3	Lesson 2: Scale of the Solar System I can calculate the lengths of parts of a scaled drawing.	Need to clarify that 'appears the same' means are scaled/proportional	<a href="#">Lesson 2 Student Task</a> **Activity 1 only** <a href="#">Lesson 2 Practice Problems</a> <a href="#">Lesson 2 Cooldown</a> *SKIP*  2.1 SAT Practice Shadow/tree		Modified Documents <a href="#">U3 L2 Student Task</a> <a href="#">U3 L2 Practice Problems</a> <a href="#">U3 L2 Summary</a>

# Math Curriculum: Core Courses

Algebra 1, Algebra 2 and Geometry will utilize [Illustrative Math](#) curriculum beginning in the 2022-2023 school year

- Problem-based curriculum built on the belief that all students are capable of learning mathematics
  - Aligned to the Common Core Standards
- Piloted during the 2021-2022 School Year in Geometry & Algebra 1 classes
- Grades 7-12
- Next year -workbooks in class
- Pre-made family resources available

# Important offerings at SHS

## Courses on Probability and Statistics:

AP Statistics

Probability and Statistics

Sports and Statistics ( $\frac{1}{2}$  year)

## Courses on Computer Science:

Programming

AP Computer Science A

AP Computer Science Principles

## College Credit courses:

UConn Discrete Math ( $\frac{1}{2}$  year)

## AP Courses

The SHS Mathematics Department offers all of the College Board Math and Computer Science courses, including:

AP Calculus AB

AP Calculus BC

AP Statistics

AP Computer Science A\*

AP Computer Science Principles\*

\*offered every other year

# STEM Extracurriculars

SHS has a very accomplished [Robotics Team](#), where students can see principles of programming, engineering and Calculus in action

AMC- American Mathematics Competition

Cyberstart: this year's team is currently 4th in CT; opportunities for scholarships

## Ways to prepare for SATs or PSATs

Once you have taken the PSAT or SAT, [link your Khan Academy and College Board Accounts](#) for personalized practice

Take the Math SAT prep class at SHS

IXL SAT Skills Practice

[Take online practice tests](#)

Follow / find SAT prep tips on [TikTok](#)



## Other tips for parents

Monitor your child's cell phone use during the school day.

Be aware of how much time your child is investing in social media and apps like TikTok.

Reach out to your child's teacher

Discuss appropriate uses for apps like PhotoMath

Check Infinite Campus Grading Portal

Your child can choose to change levels in math, however, be sure to discuss with the teacher if you feel a child has a misplaced math level (e.g. Honors, College Prep, Academic)

[Foster a Growth Mindset](#)

# Summer Work

- Keeps the math mind working over the summer!
- Recommended Work for students entering Algebra 1, Geometry & Algebra 2
  - IXL strands strategically chosen by math department
- Required Work for AP Statistics & AP Calculus Students

## Questions?

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**Thank you for  
coming!**