Vision - St. Louis Public Schools is the district of choice for families in the St. Louis region that provides a world-class education and is nationally recognized as a leader in student achievement and teacher quality.

Mission - We will provide a quality education for all students and enable them to realize their full intellectual potential.

Collegiate School of Medicine and Bioscience – Weekly Virtual Learning Planner

Teacher	Mr. Sabor	Grade	12	Subject	College Prep Algebra
Week of	3/1/2021	Topic/Title	Unit 5: Solving Equations Unit 6: Linear Functions		

Lesson/Topic	Lesson Target/Objective	Synchronous/Live Instruction	Asynchronous Playlist	Assessment/Performance Task	Due Date
Lesson 1 (3/1/2021)	I can solve one-variable linear, quadratic, polynomial, rational, exponential, radical, and logarithmic functions. I can determine the inverse of a given function. I can solve equations arising from simple word problems.	Do Now: Solve a logarithmic equation. Review answers for pretest with explanations. Extra practice assignment prepared. Students guide discussion to topics or questions that they wish to review.	Study for I5 Test	I5 Test	3/3/2021
Lesson 2 (3/3/2021)		I5 Test			
Lesson 3 (3/5/2021)	I can list mathematical skills and problem-solving skills to address unfamiliar problems. I can identify rates in the real world.	Do Now: What is your emotional reaction to word problems? Do you think of word problems in separate categories, or all the same? You (or your friend) decide to get a membership at the local Planet Fitness. Which plan do you select? https://www.planetfitness.com/gyms/st-louis-chippewa-mo#offers Is there any scenario in which the other plan would be better? What math represents this situation, regardless of what numbers are present? Let's create a mathematical toolbox. What mathematical skills do you have? • Define variables. • Write an equation / function. • Create a data table. • Graph a function or data table. • Simplify an expression. • Factor a polynomial. • Substitute in a value.	I6.a Homework – Document four different, **real** rates. Documenting them includes taking a screenshot, picture, or video. • At least two must not be from the computer. Pick rates that use different types of measurements.	I6.a Homework	3/8/2021

		- Solve an equation. What problem-solving skills do you have? - Separate a question into parts. - Draw a diagram. - Compare a problem to similar problems. - Write a simpler version of the same problem. - Identify other information you might need. - Generalize parts of problems that you have already solved. Which skills did we use? Let's generalize part of this problem. A **rate** is a measure, quantity, or frequency, typically one measured against some other quantity or measure. Rates always imply a **multiplicative** relationship. "\$10/month" became a total cost of $10x$, where x represented time in months. "Al washes a car in 8 minutes" was a rate of 1 car per 8 minutes, or $\frac{1}{8}$ car per minute, which became a total completion of $\frac{1}{8}x$, where x represented time in minutes. Time permitting, begin Robert Kaplinsky's "When Will the Winning Minecraft Pickaxe Finish?"			