

Bridge to Algebra 1 Summer Intensive, Part 1 and Part 2

Instructor: Jennifer L. Roberts

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Office Hours: Tuesdays and Wednesday at 2:30pm – 3:30pm EST

Schedule:

Session 1: Part 1	Session 2: Part 2
June 29th – July 17th LIVE LESSONS Mon., Wed., and Thur. (time to be posted at a later date)	July 20th – August 7th LIVE LESSONS Mon., Wed., and Thur. (time to be posted at a later date)

Description:

This course is designed to service incoming 9th grade students and incoming 10th grade students who need to sharpen their Algebra skills for the 2020 – 2021 school year. We will focus heavily on quadratic functions since this type of function may have been the last unit covered before the Covid-19 pandemic and is important for the SAT exams in 11th grade. Each day the students meet in the live lessons, they will begin the class with an open-end question/prompt related to the real-world, which will help transition us into the activity for the day. At the end of the live lesson class, the students will complete a formative assessment to measure understanding and knowledge. During the offdays, the students are encouraged to complete self-direction lesson that will help prepare them for the live lesson classes. The course will end with the student completing a problem-based challenge. Parents will receive a weekly report of the students' progress with recommendations and suggestions. The students will engage with a variety of online tools to keep the learning fun, interactive, and interesting.

Course Outline:

Session 1					
75-min	Monday	Tuesday	Wednesday	Thursday	Friday
Week 1	LL: Intro – Area (group work activity)	SD: Formative Assessment	LL: Types of Fun.	LL: Representations of Quadratic Functions	SD: Video: Quadratic Graphs
Week 2	LL: Quadratic Graphs	SD: Videos: Multiplying Binomials (2)	LL: Equations: Factored to Standard	LL: Equations: Factored to Standard	SD: Videos: Factoring (2)
Week 3	LL: Equations: Standard to Factored	SD: Summative Assessment	LL: Equations Standard to Factored	LL: Outro – Area (group work activity)	

*LL: Live Lessons from 1:00pm – 2:15pm EST

*SD: Self-Directed, students will complete these activities on their own at their own time.

Session 2					
75-min	Monday	Tuesday	Wednesday	Thursday	Friday
Week 4	LL: Intro – Area (group work activity)	SD: Formative Assessment	LL: Solving Basic Quad Equations	LL: Solutions to Quad Equations	SD: Video(s): Solving Equations (Linear)
Week 5	LL: Zero Product Property	SD: Videos: Factoring	LL: Solve by Factoring	LL: Solve by Factoring	SD: Video: Quadratic Formula
Week 6	LL: Solve by Quadratic Formula	SD: Summative Assessment	LL: Solve by Quadratic Formula	LL: Outro – Area (group work activity)	SD: Video: Solve by Completing the Square

*LL: Live Lessons from 1:00pm – 2:15pm EST

*SD: Self-Directed, students will complete these activities on their own at their own time.