



## SUMMER BRIDGE PROGRAM OVERVIEW

July 5, 2017 - August 16, 2017, 9:00 AM - 2 PM

### Rationale and Expectations

The purpose of the Summer Bridge Program at City Polytechnic High School (CPHS) is to give students an opportunity to successfully transition from middle school to high school in a closed, structured and supervised environment. The goal of this program is to make students more aware of what is expected of them in high school and what will be expected of them in the college and career environments. Classes are open for positive and respectful project-based learning with an expectation that diversity and the opinions of others will be respected.

In addition to the Common Core Algebra 1 course, students will participate in other activities designed to build academic skills and create a sense of community. Statistics have consistently shown that students who attend summer enrichment programs complete more classes, achieve higher grade point averages, have lower dropout rates and higher graduation rates than similar students who do not attend such programs. After completing these programs, students are more confident and self-assured both academically and socially.

### Calendar of Dates

Summer Bridge is a seven-week program in which students are enrolled in Common Core Algebra I. Courses are offered Monday through Thursday for six weeks, and will require assignments to be completed outside of class. There are no classes held on Fridays. Students are encouraged to engage in enrichment activities and independent or group study outside of school. Those who successfully complete the Summer Bridge Program can earn two Algebra course credits. Students are only allowed two (2) unexcused absences during the program. If they exceed the two absences they will be dismissed from the program.

Week	Dates	Monday	Tuesday	Wednesday	Thursday	Friday
1	July 5 - 6	Schools Closed	Schools Closed	Day 1	Day 2	No School
2	July 10 -13	Day 3	Day 4	Day 5	Day 6	No School
3	July 17 - 20	Day 7	Day 8	Day 9	Day 10	No School
4	July 24 - 27	Day 11	Day 12	Day 13	Day 14	No School
5	July 31 - August 3	Day 15	Day 16	Day 17	Day 18	No School
6	August 7 - 10	Day 19	Day 20	Day 21	Day 22	No School
7	August 14 - 16	Day 23	Day 24	<b>Regents Exam</b>	No School	No School

## Daily Schedule

Time	Agenda	Group A	Group B
8:45 AM	Breakfast	Cafeteria	Cafeteria
9:00 AM	Morning Meeting	Room 328, Mr. Henry	Room 328, Mr. Henry
9:15 AM	CC Algebra Session 1	Room 301	Room 303
12:00 PM	Grab & Go Lunch (cold)	Cafeteria	Cafeteria
12:15 PM	CC Algebra Session 2	Room 301	Room 303
2:05 PM	Dismissal		

## CC Algebra I Curriculum Overview

Conceptual Category	Percent of Exam Credits	High School Mathematics Domains Included in Algebra I
Number & Quantity	2% - 8%	The Real Number System (N-RN) Quantities (N-Q)
Algebra	50% - 56%	Seeing Structure in Expressions (A-SSE) Arithmetic with Polynomials and Rational Expressions (A-APR) Creating Equations (A-CED) Reasoning with Equations and Inequalities (A-REI)
Functions	32% - 38%	Interpreting Functions (F-IF) Building Functions (F-BF) Linear, Quadratic, and Exponential Models (F-LE)
Statistics & Probability	5% - 10%	Interpreting categorical and quantitative data (S-ID)

## CC Algebra I Pacing Guide

Week	Topics / Units	Classwork and Homework	Assessment(s)
1	Understanding Equations and Inequalities	Problem Set #1	Baseline Assessment
2	Understanding Relations and Functions Linear Functions	Problem Set #2	Quiz #1
3	Systems of Equations and Inequalities Exponential Functions	Problem Set #3	Quiz #2
4	Sequencing Polynomial and Quadratic Expressions Quadratic Functions and Equations	Problem Set #4	Midterm Exam
5	Function Families Univariate Data, Bivariate Data	Problem Set #5	Quiz #3
6	Review and Regents Prep	Problem Set #6	Final Exam; Regents Exam