



DEPARTMENT OF EDUCATION OF THE CITY OF NEW YORK
DR. DANIEL HALE WILLIAMS MIDDLE SCHOOL 180
"A SCHOOL OF EXCELLENCE AND OPPORTUNITY"

Marlon Williams
Principal

Jessica Astor
Dr. Barrington Henry
Assistant Principals

Corey Dicker
Astere Yemmer-Brown

Grade 8 2026-2027
Summer Packet

Hello, Welcome to Grade 8 below you will find instructions for your Math Summer Packet.

Join the summer class using the link [Class Link](#)

Class Code : **A6Q2JBW7**

The Digital Summer Packet is designed to be completed in 6 weeks - 2 Lessons Per Week on [KhanAcademy.org](https://www.khanacademy.org) It includes video tutorials, articles as anchor charts, and multiple choice questions which all must be utilized for credit.

Course : Pre-Algebra / Algebra Basics

Week 1: Unit - Equations & inequalities introduction

Lesson #1 Algebraic equations basics

Lesson #2 One-step multiplication and division equations

Week 2: Unit - Equations & inequalities introduction

Lesson #1 Intro to inequalities with variables

Lesson #2 Dependent and independent variables

Week 3 : Unit - One-step and two-step equations & inequalities

Lesson #1 Combining like terms

Lesson #2 The distributive property & equivalent expressions

Week 4 : Unit - One-step and two-step equations & inequalities

Lesson #1 Two-step equations intro

Lesson #2 Two-step equation word problems

Week 5 : Unit Graphing lines and slope

Lesson #1 Slope

Lesson #2 Slope-intercept form intro

Week 6 : Systems of equations

Lesson #1 Systems of equations intro

Lesson #2 Number of solutions to systems of equations



How to join your teacher's Khan Academy class

- 1 Go to khanacademy.org/join
- 2 Enter your class code and press "Add".
Class code: _____
- 3 If you don't already have an account, press "Create a new account". Enter your date of birth, then sign up using Google, your school email, or by creating a username.
- 4 Enter your grade and course. Now you're ready to start learning!

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