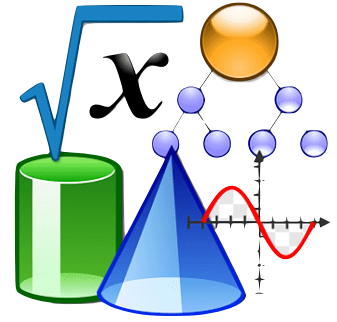


## MIDDLE SCHOOL MATH

PHCA promotes Summer Studies in order to keep our student's minds active and ready to return to school on **July 26, 2024**. Concepts that your child should know and practice are listed below by grade level. Selected concepts will be assigned via Khan Academy and students will be assessed on their mastery and completion of the assignments. Students may also search Khan Academy to review other concepts on their own. The ones that are assigned should be completed by **Thursday, August 1<sup>st</sup>**. Quizzes may be attempted unlimited times to help with understanding.



### Instructions for Signing into Khan Academy

#### RETURNING STUDENTS:

1. Go to [khanacademy.org](https://www.khanacademy.org)
2. **Log in** by **continuing with Google**. Use your school issued email **ONLY**. [example@phcaschools.org](mailto:example@phcaschools.org)
3. Only your MATH class as been rolled over to your new grade and content.

**For any questions regarding Khan Academy MATH, email: [nlpaga@phcaschools.org](mailto:nlpaga@phcaschools.org)**

#### ONCE LOGGED IN

- Your **Math Class** will appear on the left side of your screen (i.e. **06 MATH PHCA 24/25**) and the center will show your summer studies assignments under **"My Assignments"**.
- Attempt all assignments and try to score **70%** or more. You will be graded on completion of all your assignments.

**NOTE: PHCA Math is accelerated and one year ahead of public school. PHCA 6th does 6th/7th, PHCA 7th does 8th, PHCA 8th does Algebra 1 (9th Grade for public school)**

## 6TH GRADE

6<sup>th</sup> Grade Khan Academy Code: **JKS8T2T6**

Class Link: <https://www.khanacademy.org/join/JKS8T2T6>

- Numbers up to a million:
  - Order from the least to greatest
  - Place values
  - Write and rounding up
- Add, subtract, multiply & divide:
  - numbers up to the thousands,
  - decimals
  - fractions (with common and uncommon denominators)
- Factors and multiples
- Fractions: Compare, order, simplify, convert improper fractions to mixed numbers and vice versa
- Decimal to % and % to Decimal
- Perimeter, area, volume

## 7TH GRADE

7<sup>th</sup> Grade Khan Academy Code: **NGZGW5H2**

Class Link: <https://www.khanacademy.org/join/NGZGW5H2>

- Student should have mastery of concepts listed under previous grade with more complex problems using those concepts
- Positive and Negative Integers
- Coordinate Plane
- Slope and Slope Intercept
- One-step equations
- Solving for unknown variable
- Order of operations
- Inequalities
- Long division with remainder, also expressed as a fraction

## 8TH GRADE

Algebra 1 Khan Academy Code: **UZ669CN3**

Class Link: <https://www.khanacademy.org/join/UZ669CN3>

- Student taking this course will receive High School credit in Algebra One (1). They should have mastery of concepts listed under previous grades with much more complex problems using those concepts
- One-step equations
- Multi-step equations
- Solving for unknown variables
- Scientific Notation
- Proportions and ratios
- Graphing on the coordinate plane
- Order of operations



## MIDDLE SCHOOL BIBLE/LANGUAGE ARTS

The Bible is the greatest piece of literary work, and best of all it is the Living Word of God. Everything you need to know about education, life and salvation can be found in the Bible. Unfortunately, it is often tossed aside as old and irrelevant, or simply taken for granted. In addition to the assigned reading, students may use commentaries or other resources to glean better insights, if needed. Use this summer project to gain a deeper appreciation for the gift of God's Word. This paper counts for both a Language Arts and Bible grade for the first quarter and is due **Thursday, August 1<sup>st</sup>**.

### 6TH GRADE

**READ: Book of Romans**

### 7TH GRADE

**READ: Book of Hebrews**

### 8TH GRADE

**READ: Book of Matthew**

1. Make a list of 10 words that are unfamiliar to you as you read through your assigned book.
2. Describe in your own words what you think each word means.
3. Find and write the real definition for each word from the dictionary.
4. Note for each word if your definition was accurate to the real definition?

#### **Bible/Essay:**

Choose a character from the book that you either liked or disliked and answer the following questions: Why did God choose to tell his or her story in the Bible? How do you think this character's story adds to the Big story of Scripture.

Write a Character Analysis Essay based on the character you chose. This will be a 5 paragraph essay.

1. 1<sup>st</sup> Paragraph: The **INTRODUCTION**. Capture the reader with a narrative "hook". Give the general theme of the book. Then introduce the character you chose and 3 concise reasons why you think God chose to tell this character's story in the Bible.
2. 2<sup>nd</sup>, 3<sup>rd</sup>, and 4<sup>th</sup> Paragraphs: The **BODY**. Write 3 supportive and descriptive paragraphs to support your reasons why God chose to tell the character's story in the Bible.
3. 5<sup>th</sup> Paragraph: The **CONCLUSION**. A conclusion paragraph that sums up why God may have chosen to tell this character's story and how you can apply what you've learned to your life.

Follow the instructions on previous page for setting up a Khan Academy account and join your Language class.

#### **6th Grade Khan Academy Code:**

**3F8QR6XY**

Class Link: [https://](https://www.khanacademy.org/join/3F8QR6XY)

[www.khanacademy.org/join/](https://www.khanacademy.org/join/3F8QR6XY)

[3F8QR6XY](https://www.khanacademy.org/join/3F8QR6XY)

#### **7th Grade Khan Academy Code:**

**J3K3CX32**

Class Link: [https://](https://www.khanacademy.org/join/J3K3CX32)

[www.khanacademy.org/join/](https://www.khanacademy.org/join/J3K3CX32)

[J3K3CX32](https://www.khanacademy.org/join/J3K3CX32)

#### **8th Grade Khan Academy Code:**

**PHTDF5BQ**

Class Link: [https://](https://www.khanacademy.org/join/PHTDF5BQ)

[www.khanacademy.org/join/](https://www.khanacademy.org/join/PHTDF5BQ)

[PHTDF5BQ](https://www.khanacademy.org/join/PHTDF5BQ)

- Grammar
  - Sentences
  - Subjects & Predicates
- Reading Literature
  - Making Inferences
  - Summarizing a Story

- Grammar
  - Fragments & Run-Ons
  - Dangling Modifiers
- Reading Literature
  - Point of View

- Grammar
  - Syntax & Conventions of Standard English
- Reading Literature
  - Point of View