

# YPS Parent Academy

Are you **G.A.M.E.** in Math?

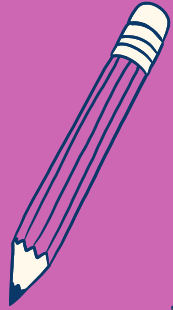
Session 4: 3/18/23

Lower Elementary

(Session requires PK-1 Kits...Parents with kits already may trade their kits for a PK-1 if they would like)



$$X = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$



$$a^2 + b^2 = c^2$$

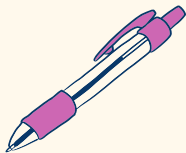


# Introductions!

## Who am I?

### Please share:

- Name
- Child's School
- Child's Grade Level
- What do you think is the most important math concept that kids need to know in life?



# Our Parent Workshops!

Come join us for a series of workshops for parents of students in **grades K-8**, designed to teach you:

- math concepts that your child is learning in school
- math tools you can use to assist your child in better understanding the math concepts
- games and activities you can use with your child to reinforce what they are learning in school



## When

- 9:30-11:30AM on select Saturdays
  - ~~• 1/28/23~~
  - ~~• 2/11/23~~
  - ~~• 3/4/23~~
  - 3/18/23
  - 4/15/23
  - 4/29/23
  - 5/6/23

In what ways do  
you use math in  
your everyday life,  
as an adult?

# How can parents talk about math with their kids?



# How can parents talk about math with their kids?

## Time to Reflect

- What questions and discussions can you have with your kids that were discussed in the video?
- What additional examples have you used with your kids to relate math to the real world?
- Why is it important for kids to see the connections and applications of math in THEIR real world?

# The District Math Webpage!

## For Checklists, [CLICK HERE!](#)

[Students](#)[Families](#)[Staff](#)[HOME](#)[ABOUT YPS](#)[SCHOOLS & PROGRAMS](#)[LEARNING](#)[CONTACT](#)[CALENDAR](#)[HOME](#) • [LEARNING](#) • [MATHEMATICS](#) • [MATH GRADE LEVEL CHECKLISTS](#)

## Mathematics

[Yonkers Vision for Math Instruction](#)[Description of District Math Programs](#)[Math Grade Level Checklists](#)[Parent and Family Resources](#)[Available Math Support and HW Help](#)

## Grade Level Skills Checklists

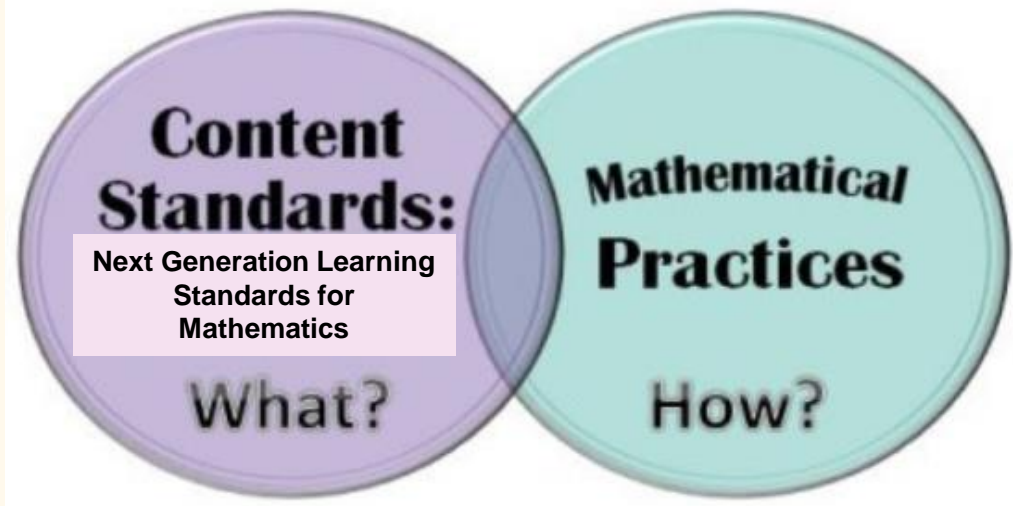
At the start of the 2020 pandemic, Yonkers Public Schools released a set of district-wide Power Standards. These standards focus on the highest leverage skills that students need to be prepared for the next grade level. Students still need additional instruction in other areas that are not addressed by the Power Standards and teachers have been presented with the expectation that they should devote more time and depth to the Power Standards but still address all of the standards in their grade level curriculum. Below is a collection of grade-level checklists that parents and families can use to understand how prepared their child is for his/her grade level. Has your child mastered everything on his/her grade's checklist? Then look at the following grade and challenge him/her! Does your child struggle with the skills on his/her grade's checklist? Then look at the Parent and Family Resources page to gather ideas of how to support his/her learning and eventual mastery of these skills!

[!\[\]\(dc0c40d45c42e86bc0669168926f812c\_img.jpg\) \[Grade 8 Checklist\]\(#\)](#)[!\[\]\(b58c23cb5aab1cd63092eda333892cb9\_img.jpg\) \[Grade 7 Checklist\]\(#\)](#)



# Importance of the Mathematical Practices

## Understanding the Mathematical Practices





# Importance of the Mathematical Practices

(Snap shot from the

Mathematical Practices for

How might you  
use this  
checklist with  
your children  
at home?

<input checked="" type="checkbox"/>	<b>I do statement</b>	
	I do try different strategies when I get stuck and never quit!	
	I do think about my answer to see if it makes sense.	
	I do explain my thinking using math vocabulary.	
	I do draw diagrams and pictures that help me solve problems.	
	I do use the most appropriate tools (rulers, number lines, ten-frames, calculators, etc.) when solving problems	
	I do check my work when I finish.	Attend to precision.
	I do organize my work to allow myself to make valuable observations.	Look for and make use of structure.
	I do look for patterns and apply these patterns to solve problems.	Look for and express regularity in repeated reasoning.

# The District Math Webpage!

## For Family Resources webpage, [CLICK HERE!](#)

[Students](#)[Families](#)[Staff](#)[HOME](#)[ABOUT YPS](#)[SCHOOLS & PROGRAMS](#)[LEARNING](#)[CONTACT](#)[CALENDAR](#)[HOME](#) • [LEARNING](#) • [MATHEMATICS](#) • [PARENT AND FAMILY RESOURCES](#)

## Mathematics

[Yonkers Vision for Math Instruction](#)[Description of District Math Programs](#)[Math Grade Level Checklists](#)[Parent and Family Resources](#)[Available Math Support and HW Help](#)

### Parent and Family Math Resources

[Khan Academy](#)

Khan Academy is a great FREE resource. Students and parents can access practice problems and quizzes. Participants are provided with instant feedback on the work they complete. This is a great resource to consider if your child is struggling with any of the skills on their grade level check-list.

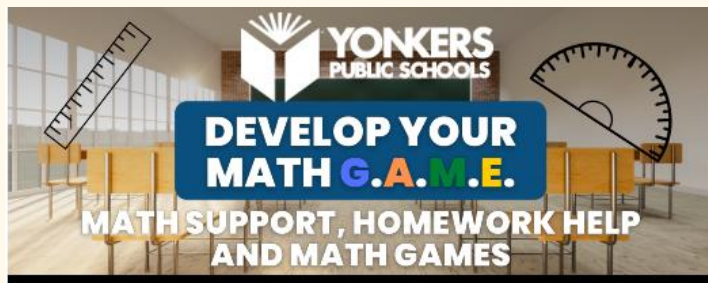
#### iReady Classroom Mathematics: Family Center

In the Fall of 2021, 15 of our schools will be using Ready Classroom Mathematics and i-Ready as their core math curriculum (Grades K-5). For those schools, this is a great collection of resources for families to get involved in the math learning experience of their children. There are helpful documents, videos, FAQ documents and even math discussion activities that you can do with your children at home.

Parents and students can access Khan Academy completely FREE and can search the topics from the checklist that their children need help with. There are:

- ***[Instructional Videos](#)***
- ***[Practice Problems and Quizzes](#)***

# Do your children need additional help from a licensed teacher?



**YONKERS  
PUBLIC SCHOOLS**

**DEVELOP YOUR  
MATH G.A.M.E.**

**MATH SUPPORT, HOMEWORK HELP  
AND MATH GAMES**

TEACHERS ARE AVAILABLE TO  
SUPPORT STUDENTS FROM  
GRADE 2 THROUGH ALGEBRA 2.

**START: 1/30/23  
END: 4/27/23**

**SCHEDULE  
5:30PM-6:30PM**

**MONDAYS AND WEDNESDAYS**

- GRADE 2 STUDENTS
- GRADE 4 STUDENTS
- GRADE 6 STUDENTS
- GRADE 8 STUDENTS
- ALGEBRA 1 STUDENTS

**TUESDAYS AND THURSDAYS**

- GRADE 3 STUDENTS
- GRADE 5 STUDENTS
- GRADE 7 STUDENTS
- GEOMETRY STUDENTS
- ALGEBRA 2 STUDENTS

**AVAILABLE TO ANY MATH  
STUDENT TWICE PER WEEK!**

- ☒ Day 1: Review of a key grade-level topic and Homework Help
- ☒ Day 2: Homework Help and Math Games
- ☒ Join us on Zoom on your grade level days using the link/information below

**ACCESS  
THE  
ZOOM  
LINK**



<https://bit.ly/ypshwhelp>

 [mmcdonald@yonkerspublicschools.org](mailto:mmcdonald@yonkerspublicschools.org)  
 (914) 376-8068



**YONKERS  
PUBLIC SCHOOLS**

**DESAROLLA TU G.A.M.E.  
DE MATEMÁTICAS**

**APOYO DE MATEMÁTICA, AYUDA CON  
TAREAS Y JUEGOS DE MATEMÁTICAS**

LOS MAESTROS ESTÁN  
DISPONIBLES PARA APOYAR A  
LOS ESTUDIANTES DESDE EL  
GRADO 2 HASTA ÁLGEBRA 2.

**INICIA: 1/30/23  
TERMINA: 4/27/23**

**HORARIO  
5:30PM-6:30PM**

**LUNES Y MIÉRCOLES**

- ESTUDIANTES GRADO 2
- ESTUDIANTES GRADO 4
- ESTUDIANTES GRADO 6
- ESTUDIANTES GRADO 8
- ESTUDIANTES DE ÁLGEBRA 1

**MARTES Y JUEVES**

- ESTUDIANTES GRADO 3
- ESTUDIANTES GRADO 5
- ESTUDIANTES GRADO 7
- ESTUDIANTES GEOMETRÍA
- ESTUDIANTES DE ÁLGEBRA 2

**¡DISPONIBLE PARA CUALQUIER  
ESTUDIANTE DE MATEMÁTICAS DOS  
VECES POR SEMANA!**

- ☒ Día 1: Revisión de un tema clave de nivel de grado y ayuda con la tarea
- ☒ Día 2: Ayuda con la tarea y juegos de matemáticas
- ☒ Únase a nosotros en Zoom en los días de su nivel de grado usando el enlace/información a continuación

**ACCESO  
AL LINK  
DE ZOOM**



<https://bit.ly/ypshwhelp>

 [mmcdonald@yonkerspublicschools.org](mailto:mmcdonald@yonkerspublicschools.org)  
 (914) 376-8068



# Manipulative Kits!!!

**You are welcome to take your kits home to use with your kids! At the end of the Parent Academy, they are yours to keep!**

**If you bring it home, please bring it back with you next session.**

We cannot give you another one the next time you come.

**(This session requires PK-1 Kits...Parents with kits already may trade their kits for a PK-1 if they would like)**





# Let's do some math!

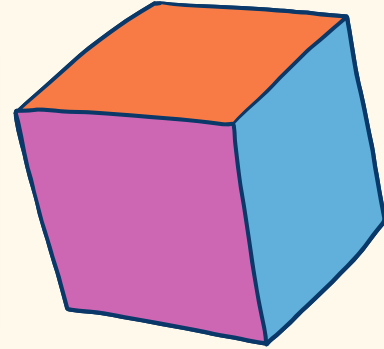
*When students take assessments, they need to think critically about what strategies they need to use to solve problems. Let's try that ourselves!*

**Lou has 18 blue buttons  
and 7 red buttons.  
How many buttons in all?**



## Math Toolkit

- base-ten blocks 🧱
- counters
- 10-frames
- hundred charts



Using tools from your toolkit, what strategies can you think of to solve this problem? ***Try them!***



# Let's do some math!

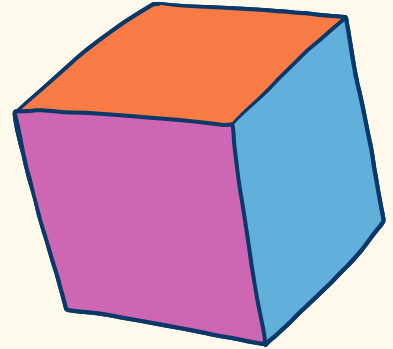
*When students take assessments, they need to think critically about what strategies they need to use to solve problems. Let's try that ourselves!*

Ava has 13 beads.  
She gives away 9 beads.  
How many beads are left?



Math Toolkit

- counters 🖱️
- number paths
- connecting cubes 🖱️



Using tools from your toolkit, what strategies can you think of to solve this problem? ***Try them!***


***What mental math strategies do you use as an adult that might support your children? How do they connect to the concrete strategies with the tools?***





# **Questions/Topics/Suggestions for Future Sessions!**

***What topics are your children learning now that they are struggling with and you need more tools to support?***

***You can include this in your feedback and share with your instructor so that they get incorporated into the next session: 4/15/23*** 

# Please give us feedback!

