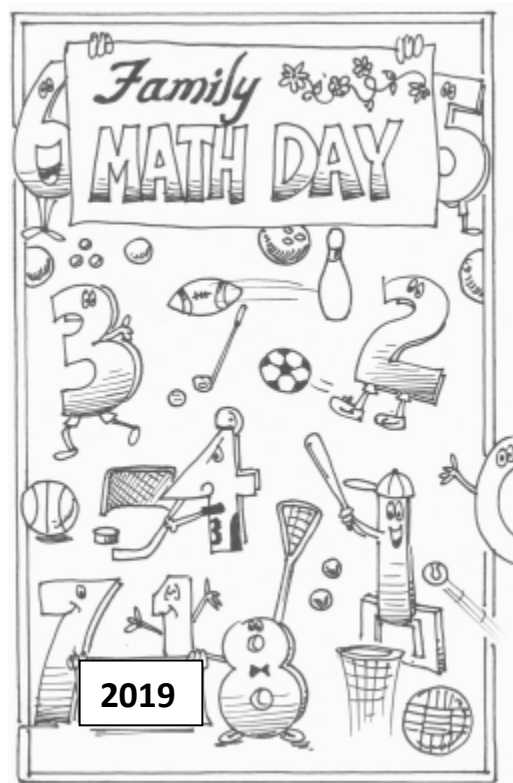


Yonkers Public Schools Family Math Day

A Conference for Parents and Children

April 27, 2019

**Lincoln High School (375 Kneeland Ave,
Yonkers, NY 10704)**



THE YONKERS PUBLIC SCHOOLS FAMILY MATH DAY 2019 INSTRUCTIONS FOR PARTICIPANTS

PLEASE READ ALL INFORMATION CAREFULLY BEFORE FILLING OUT THE ONLINE REGISTRATION FORM (PLEASE SAVE THESE INSTRUCTIONS!!)

The Yonkers Public Schools Family Math Day provides a day of excitement and adventure in mathematics for children in grades K-5 and their parents. Opportunities are provided for children to explore with their parents some of the wonders of the world of mathematics. The Yonkers Public Schools Family Math Day will be held at Lincoln High School, on Saturday, April 27, 2019. There are several workshops being offered for Family Math Day. Note that all workshops are listed by grade level (either K, 1, 2, 3, 4, or 5). You **MUST** register your child for his/her **CURRENT GRADE LEVEL. INFANTS AND PRESCHOOLERS WILL NOT BE ADMITTED TO FAMILY MATH DAY.**

- **Please choose FOUR (4) workshops at the appropriate grade level.**

Every attempt will be made to honor your choices. Please understand that with the large number of families attending, this is not always possible. We will close registration for a given workshop when the maximum number of participants that we can accommodate has been reached. Past experience shows this happens very quickly. Due to circumstances beyond our control, it is sometimes necessary for a speaker to cancel after this program has been printed. Please understand if you are assigned to an alternate workshop when you show up on April 27, 2019 to pick-up your registration. Children must be registered with an adult. Please allow time to park. If possible, carpool with another family.

We hope that you will find the day rewarding and a fun filled family experience!

When you arrive at Family Math Day:

- Please pick up your participant folder at the registration desk in the main hallway. Included will be your workshop assignments, last minute information, an evaluation form, and a press release form.
- There will be contests. Please allow enough time to participate.
- Be sure to complete all contests and deliver your solutions to the contest tables by 9:00 AM, as prizes are awarded for all correct answers.
- Committee members and student helpers will be on hand to assist you

THE SCHEDULE FOR THE DAY IS AS FOLLOWS:

8:00 - 9:00 Registration, door prizes, and contests

9:00 - 9:10 Proceed to the first session room

9:10 - 9:20 Listen to announcements

9:20 - 10:10 Session 1

10:20 - 11:10 Session 2

11:10 - 11:20 Remain in session 2 for snacks and announcements

11:30 - 12:20 Session 3

Insert your email address carefully on your registration form. PLEASE LOOK FOR THE CONFIRMATION EMAIL APPROXIMATELY ONE WEEK PRIOR TO FAMILY MATH DAY. If you have a question, or if you have not received an email confirmation of your registration by April 19, 2019, please call 914-376-8068 or email

cpemberton@yonkerspublicschools.org. IN CASE OF A WEATHER EMERGENCY, we will post information on the District website. Please check the website for most recent updates.

KINDERGARTEN

(1) Math is Everywhere! Presenter: Ms. Soropoulos

Parents and children will connect math to the real world focusing on their daily routines. Materials will be provided for demonstration and exploration of activities parents can incorporate to help their child develop and reinforce basic math concepts and skills. Sorting, counting, subitizing, and adding are a few examples of areas that will be explored. In addition, a handout of activities for inside and outside the home will be provided.

(2) Creating and Demonstrating Addition Stories using Number Bonds.

Presenter: Ms. Heidelberger

Number bonds will be introduced and reviewed. We will then use manipulatives, stickers and drawings to solve addition stories using number bonds and finally our goal is to use these materials to create our own addition stories and share them with others to solve.

(3) SHAPE IT UP!! Presenter: Ms. Skydel

Children will practice cutting (SHAPES) as they understand a variety of shapes. Next, students will use their shapes to create a collage. By gluing lines of shapes at the top, middle and bottom, students will create a collage helping them to connect their learning to math vocabulary.

(4) I Declare Math! Presenter: Ms. Hernandez

Taking traditional games like “I Declare War” and Dominoes to learn math! In the game “I Declare War” students will use playing cards to compare numbers (greater than, less than or equal to). The student who turns over the greatest number takes the rest of the cards. At the end of the game the person with the most cards wins!

In “Domino Addition” students will use dominoes to enhance addition concepts. First, students will choose a domino from a bag. Next, they will record the number of dots and create an addition equation on the recording sheet. Finally, they will find the sum.

FIRST GRADE

(5) Hands-on fund math games to use at home. Presenter: Ms. Tolliver- Van Wright

I will provide information on games that can be created from items at home. These games will follow the Common Core Standards. Games will include catchy phrases/songs for topics, addition, subtraction, tally tips (using number bonds, dice, cubed, etc). Parents will be shown how to use construction paper, and folders to create independent activities that can be used for number sense, number identification, numbers in base ten, etc. Parents will also be given math website information that can be used to find age appropriate math activities.

(6) If it's not fun why do it? (A hands-on way to learn and practice Math skills)
Presenter: Ms. Reilly-Palumbo

I will have 6 stations set up with different Math activities. Participants will work thru the stations collecting completion stamps. At the end we will raffle off prizes. Activities include Ken-Ken puzzles, Tiny Dot math games, tangrams, dice games and other counting games. I will have young adult volunteers to help at the stations. The games all reinforce Math skills in a fun way. I will also explain things to parents and help them teach these basic skills at home using play and real life situations.

(7) Want to be Clever? Presenter: Ms. Westphal

Participants will learn how to access Clever at school and at home. Participants will learn how to use the following electronic resources on Clever: BookFlix, BrainPOP Jr., Castle Learning, Oakdale Math Homework Help, and One More Story. Participants will receive how-to handouts. **(A raffle will be held at the end of each session.)**

(8) Make your own play dough sculpture! Presenter: Ms. Cohn

Students will learn how to use measuring tools while making their own play dough. Once the play dough is finished, the students will create small, medium, large and equal balls by smushing, rolling and pushing. Students will create a half circle with the play dough to use as a base. The last and best part will be manipulating pipe cleaners and placing them in the base to create a sculpture to take home along with the unused play dough.

(9) Math N' Science! Presenter: Ms. Cherian

Science activities require varied Mathematics skills at different levels. Come and have fun while discovering the connections between math and science. Families will have the opportunity to be involved in activities based on classification, measurement, force, and motion.

SECOND GRADE

(10) Roll with it! Presenter: Ms. Haxhijaj

Come and learn how rolling dice can be a fun way to learn all about place value. We will use dice to understand what a digit is, the value of a digit, and how to write the digit in more than one way.

(11) Reading Between the Lines. Presenter: Ms. Wong

Families will learn how literacy can be used to bridge a connection in math in order to foster greater learning. Through several quality read alouds, parents will be able to engage children and reinforce math skills at home while building reading stamina. A bibliography of books will be given to families and they will be participate in math - literacy games.

(12) Shop Till You Drop Mixed with Addition War! Presenter: Ms. Pantoja

Come and shop to practice how to “**Stretch your Dollar**” to make it go as far as possible when making a grocery list. Parents and children will have the opportunity to look through local grocery **shop fliers** and buy as many items as they can with \$20. Families will also play ‘**Addition War**’ to practice Math Facts in a fun and exciting way. These games practice addition, subtraction, along with logical thinking needed for student success. This workshop will show how Math is a part of our everyday lives. Fun and prizes are guaranteed!

(13) Go the Distance! Presenter: Mr. Capozziello

First students will make paper airplanes using brightly colored paper. Next students will go one at a time and fly their plane. After each student flies their plane the group will record their data in feet. After everyone has had a turn, the group will analyze the data. The students can create a variety of graphs in order to help interpret and compare the data. Who flew their plane the farthest and how far did it go? What is the shortest distance a plane flew? What is the average distance the planes flew from the data collected? Discussion of frequency can happen for older students. What was the most frequent distance the planes traveled? Students can come up with their own observations...Juan's plane flew 10 feet more than Davids, Marias plane flew 6 feet less than Genesis'.

(14) How Connecting People Can Lead To Big Math Ideas!!!

Presenter: Dr. William Farber, Mercy College

This versatile hands-on workshop is perfect for helping young children learn counting, patterning and sorting skills. The activities presented illustrate how mathematics can be fun and educational. Through the use of manipulative materials, family members will explore number facts, geometry, and logical reasoning. This workshop is designed for elementary students from 1st grade to 3rdgrade.

THIRD GRADE

(15) The Skittle Groups. Presenter: Ms. Anson

Materials needed: rubber bands and paper cups; pompoms or skittles. Student will choose a card. Then he/she will complete the task on the card using rubber bands for the number of groups and pompoms/ skittles for the number in each group to create a multiplication equation. He/she will write their answers on the recording sheet.

(16) Multiplication Mania. Presenter: Ms. Letizia

Participants will play various multiplication games. Players will warm up their math brains by playing Knock-It Off to review their multiplication facts. They will then be challenged to not only use their facts in the next game Four in a Row, but to come up with a strategy to beat their opponent. Players will have an opportunity to play the game several times to come up with different ways to outwit their opponent. Participants will have the chance to discuss their experience and share strategies that were successful and those that were not.

(17) Gumdrops Two Ways. Presenter: Ms. Corrigan-Connell

This workshop will involve building gumdrop structures with a little variation. When the structures are completed the participants will use a set value for each of the items used in the building. Then they can use repeated addition or multiplication to put a value to the structure. Prizes will be awarded for the highest value. The second option offered will be to construct a gumdrop dome/house that can hold the weight of a book.

(18) Multiplication Bingo. Presenter: Ms. Masick

Utilize your mental math skills to quickly multiply and search for answers to win a game of BINGO. There will be 2-3 games per workshop and small prizes will be given away. Each player will receive one BINGO card and tiles to cover the space that corresponds to the calling card. Once a player has 5 tiles in a row, vertically, horizontally, or diagonally, the player will shout BINGO!

(19) The Master of Addition. Presenter: Ms. Goodin

In this workshop, children and their parents will learn tricks to master addition equations using place value and mental math. The workshop will end with a battle to determine, The Family Addition Master!

FOURTH GRADE

(20) Introduction to 24 Game. Presenter: Ms. Richmond

24 Game is an arithmetical card game in which the objective is to find a way to manipulate four integers so that the end result is 24. Students can use any combination of the four orders of operation in their solution. I have been facilitating the 24 Mathematics Club at MLKA School over the past 19 years during our morning ELD program for students in grades 3-8. The students are able to build fluency of numbers and improve their number sense through this interactive and competitive game.

(21) Island Conqueror. Presenter: Ms. Nigro

Become an Island Conqueror! Enjoy a math version of battle ship. The mission is to map the Islands in Quadrilateral Bay and to conquer them by correctly calculating their perimeter and area. Become an official conqueror and end with a challenge activity of the card game WAR reinforcing multiplication strategies.

(22) Math Games- Fun Learning For All! Presenter: Ms. Driver

Parents and students will learn a variety of math games. The games are designed to learn and practice 4th grade math, but can be adapted for lower and higher grade levels. Some of the games are "Pig", Connect 4 and. Block-out Parents will also be introduced to Prime Climb and Pyramath.

(23) Sudoku for All! Presenter: Ms. Sininsky

The game Sudoku will be explained with different boards for different age groups. This can be used for different age groups, depending on the complexity of the Sudoku board and how many numbers are filled in.

(24) Project Based Learning Presenter: Mr. Michalakis

Scholars work on a single Project connected to the Concepts, Skills and Language Outcomes of a Unit/Topic. Project Based Learning (PBL) requires higher order of thinking as scholars need to make Interdisciplinary Connections, Apply what they learned, Evaluate different prototypes and Create their own Project!

PBL is usually done in Heterogeneous Groups and provides scholars with opportunities to participate regardless their style of Learning (Linguistic, Kinesthetic, Visual, Auditory). As a result PBL can be extremely beneficiary for ELL's or Special Need Scholars. PBL requires excellent Organizational and Management Skills on behalf of the Teacher. Ideally STEM Teachers Co-plan their lessons so that a Single Project can be viewed from different perspectives

FIFTH GRADE

(25) Mathematical Tic-Tac-Toe! Presenter: Ms. Esposito

For "Mathematical Tic-Tac-Toe," I would first teach students a trick to help them multiply positive and negative integers. Next, I would try to engage students in the lesson by ask for student volunteers to play against me in Tic-Tac-Toe. Afterwards, I would teach the students a basic winning "Tic-Tac-Toe" strategy. Finally, I would allow students to participate in a Tic-Tac-Toe class competition. I would separate students into pairs and allow them to play each other until we find a "Mathematics Tic-Tac-Toe champion." The winner will receive a prize!

(26) Multiplication Mania! Presenter: Ms. Vizcaino

So much time is devoted to problem solving and real world application in math classes today, which has somehow pushed multiplication facts aside. This workshop will focus on FUN ways to practice multiplication facts, from multiplication wheels, to waldorf flowers, to array cities and the hundreds chart. With simple to use tools, parents and children can work together to play games that reinforce essential facts.

(27) Freestanding Structures Design Challenge! Presenter: Mr. DeBiase

Students will work in groups to design the tallest structure that can be built utilizing only the materials provided. In this tower building and budgeting worksheet, students attempt to meet the goal of building the tallest free standing structure on the smallest budget. They will build their structures with straw, paper clips, and masking tape which all have a given price which they insert on the record keeping sheet. As they learn through this design challenge, they will gain firsthand experience on what it takes to design a freestanding structure.

(28) The Marshmallow Challenge Presenter: Ms. D'Ambroso

"The Marshmallow Challenge is a fun activity that encourages parents and students to think like an engineer, work collaboratively, problem-solve, show creativity and use their math skills! Teams of parents and students will have to manipulate limited materials to make sure they can successfully build a structure to support a marshmallow! Do you think you have what it takes to tackle the marshmallow challenge?"

(29) Math-ological Liar Presenter: Mr. Vassari

During this workshop, I will speak to students about math being applicable in the real world. I will use a game, Math-Logical where students will be presented with a case, and four different alibis, all of which require math to figure out which is not an honest alibi. The workshop will be presented with a couple of whole group cases, then the groups will work in pairs on their cases. This is a fun way for parents to bring math home also.

(30) Volume City Presenter: Ms. Morales

The students will be in charge of planning a new city. Before the city is actually built, the students will have to create a model to show the board. The city will have a school, shopping mall, apartment complex, police department, and fire department. Each building will be built using a centimeter grid, in which the students will have to figure out the volume of each building.

REGISTRATION INFORMATION FOR FAMILY MATH DAY

Lincoln High School, Yonkers, New York

A PARENT/CHILD EXPERIENCE

SATURDAY April 27, 2019

Each child attending a workshop must be accompanied by an adult or a high school student who is 15 years of age or older. You must complete a registration form for each child, indicating who will be accompanying the child throughout the day. Registrations are accepted online only via the access link or QR code below. If you do not have access to a computer or need translation assistance and would like to register, please contact Mr. Fernandez at 914-376-8068. **The deadline for registration is Friday, April 12, 2019.** Enrollment is limited to 15 families per workshop & will be filled on a first-come, first-served basis.

Questions? Call 914-376-8068, 9am - 5pm. Email: CPemberton@yonkerspublicschools.org.

Confirmation will be sent by email about one (1) week prior to Family Math Day.

Please use the link or QR code below to register.

Link

<https://tinyurl.com/YPSFamilyMath>

QR Code

