

# ***THE SANDY COHEN FAMILY MATH DAY 2012 INSTRUCTIONS FOR PARTICIPANTS***

**PLEASE READ ALL INFORMATION CAREFULLY  
BEFORE FILLING OUT THE REGISTRATION FORM**

**(PLEASE SAVE THESE INSTRUCTIONS!!)**

The Sandy Cohen Family Math Day provides a day of excitement and adventure in mathematics for children in grades K-6 and their parents. Opportunities are provided for children to explore **with their parents** some of the wonders of the world of mathematics.

This year The Sandy Cohen Family Math Day will be held at **Long Beach High School**, on Saturday, **March 24, 2012**.

There are 75 workshops being offered for Family Math Day. Note that all workshops are listed by grade level (either K, 1, 2, 3, 4, or 5/6). You **MUST** register your child for his/her **CURRENT GRADE LEVEL**. **INFANTS AND PRESCHOOLERS WILL NOT BE ADMITTED TO FAMILY MATH DAY.**

- Please choose **EIGHT** (8) workshops at the appropriate grade level.
- Each parent/child group in grades 1 to 6 will attend three (3) workshops at the Conference.
- Kindergarten families will attend two (2) workshops and a special event.

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 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.

The FEE for Family Math Day is **\$40** for each **FAMILY** of 2 to 5 people.

The cost for an additional person is \$5.

For example:

- A **FAMILY**, consisting of 2 parents, a 1st grader & a 4th grader, registers for one fee of \$40. Both columns of the registration form are filled out, one for the parent with the 1st grade child, registering for Grade 1 workshops and the other for the second parent with the 4th grade child, registering for Grade 4 workshops.
- One adult may accompany two children of the same grade.
- Children must be registered with an adult.

**A check MUST accompany your registration form.**

**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 Auditorium. Included will be your workshop assignments, a map of the building, last minute information, an evaluation, and a press release.
- + There will be 6 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.
- + Breakfast will be served in the cafeteria.
- + Committee members and student helpers will be on hand to assist you.

**THE SCHEDULE FOR THE DAY IS AS FOLLOWS:**

8:15 - 9:00 Registration, breakfast, 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 or Kindergarten Activities

**Registration: Auditorium**

**Breakfast: Cafeteria**

**Contests: Gym**

**Door Prizes: Main Hallway**

**Kgn Activities: Cafeteria**

**Book Store: Main Hallway**

Note that a map and directions to Long Beach High School will be sent to you **via email**. Print your email address carefully on your registration form. **PLEASE LOOK FOR THIS EMAIL APPROXIMATELY THREE WEEKS PRIOR TO FAMILY MATH DAY.**

If you have a question, or if you have not received an email confirmation of your registration or your check returned by March 14, please call 516-781-2400 or email [FamilyMathDay@gmail.com](mailto:FamilyMathDay@gmail.com).

To cancel please call (516)-781-2400 (8 am - 3 pm), email [FamilyMathDay@gmail.com](mailto:FamilyMathDay@gmail.com) or send a note to:

The Sandy Cohen Family Math Day  
RoseLinda Ricca  
275 North Delaware Avenue  
N. Massapequa, NY 11758

**CANCELLATION POLICY: WE WILL RETURN YOUR REGISTRATION FEES IF YOU NOTIFY US BY MARCH 14TH. WE USUALLY HAVE A WAITING LIST OF FAMILIES WHO WERE CLOSED OUT.**

If there is a need to contact the site **on the day of the event**, the number is 516-771-3979

(This is the main phone number for the host school to be used **on the morning of the event only**. Personnel answering this phone on any other day will not have information about Family Math Day)

**IN CASE OF WEATHER EMERGENCY**, we will attempt to have a delayed start. If this is not possible and we must cancel, no refunds will be made, since expenses that were incurred for the day were paid prior to the event. Please listen to one of the following stations for information: WGBB 1290, WBLI 106.1 FM, WBAB 102.3 FM, WALK 97.5 FM, NEWS 12 LI, 1010 WINS.

## *KINDERGARTEN*

**(1) DIGGING UP DINOSAURS**

**Presenter:** Kristin Burban, Malverne Schools

**Dinosaurs may be extinct, but they can liven up your kindergartener's world of math.**

**(2) EVERYTHING'S COMING UP 10**

**Presenters:** Nancy Ekstam and Patti Russo, Great Neck Schools

**Ten is such an important number. Come and play while we get your brain to think in groups of ten.**

**(3) MAKING GREAT ESTIMATES**

**Presenter:** Jessica Kenney, Math Consultant

**We will estimate how many objects are in a jar and then count to find out. Then we will estimate how many dots will fit on objects and cover to see. Each family will leave with a special estimating book.**

**(4) FROM BOOK TO BOARD – MAKE IT AND TAKE IT**

**Presenter:** Fran Kohn, East Rockaway Schools

**A book by any name can turn into a fun board game. We will read popular children's stories and make a simple math board game. Parents and children will work together to create a fun take-home game.**

**(5) NUMBER CRAZY?**

**Presenter:** Susan Love, PS 9, NYC Schools

**Do numbers make you crazy? Come and see how we can have fun using numbers to play an assortment of math games. You won't even realize how much you will learn while having fun!**

**(6) WHAT CAN YOU DO WITH A DECK OF CARDS?**

**Presenter:** Sue Mehr, Deer Park Schools

**Inside a deck of cards there are tons of exciting math games just waiting to come out! At this workshop, numbers and cards go hand in hand. All you need is a deck of cards and a few minutes to play . . . are you ready for the challenge?**

**(7) THE BEACH AND MATH ... PERFECT TOGETHER \***

**Presenter:** Cyndi Nichols, Commack Schools

**Come and enjoy the beach early this year. Math skills can be reinforced even at the beach. Come play with us!**

**(8) DAZZLING DATA**

**Presenter:** Erica Pryor, PS 251, NYC Schools

**It's time for some unusual surveys. We will gather some data and make some interesting graphs. Would you like to meow like a cat, bark like a dog or sing like a bird instead of talking? Would you prefer to drive a car, a motorcycle or fly a plane to school? Let your imagination go in this workshop where you'll take wacky surveys like these and display them in colorful graphs!**

**(9) MAKE IT BIGGER . . . MAKE IT SMALLER**

**Presenter:** Kathleen Smith, Hastings Academy, Baldwin

**Adding and subtracting can do amazing things to great big numbers, and teeny tiny numbers. Come and see what can happen with an addition and subtraction sign!**

**(10) BELIEVE IT OR NOT...**

**Presenter:** Carol Stoger, Oceanside Schools

**Come be an explorer of possibilities. What seems likely is not always so. Learn to understand the odds.**

**(11) SKITTLE LEFTOVERS AND OTHER COUNTING GAMES \***

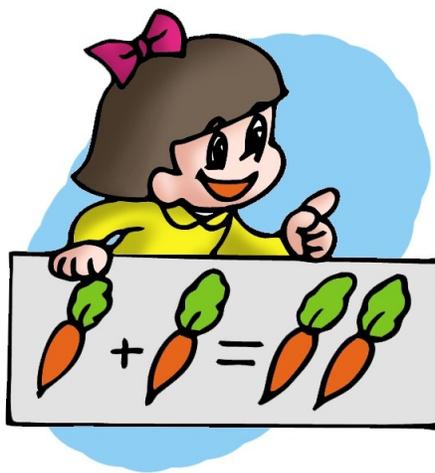
**Presenter:** Toni Anne Summers, Massapequa Schools

**Counting, adding, and subtracting are fun when you get to eat the leftovers. Children and parents will leave with fun games they can play at home.**

**(12) ONE FISH, TWO FISH, RED FISH, BLUE FISH**

**Presenters:** Lisa Wenz, Levittown Schools, Chris Wenz, Hofstra University, and Kati Yoel, Queens College

**Using the Dr. Seuss story, come and play an assortment of activities to practice your addition, subtraction, estimation and comparing numbers.\***



**Please note \* Workshop may include food**

## *GRADE 1*

**(13) GAMES, GAMES, GAMES!**

**Presenter:** Audrey Bellovin, Garden City Schools

Play games with dice and cards to help children practice skills. Children will have so much fun they won't even know they are learning!

**(14) TEDDY BEAR MATH**

**Presenter:** Joyce Bernstein, East Williston Schools

Bring your teddy bear to Family Math Day. We'll measure, compare, compute, and problem solve with our friendly teddy bears. You and your teddy bear will have lots of fun.

**(15) WHAT DO BEARS DO WHEN THEY ARE NOT HIBERNATING?**

**Presenter:** Danielle Calvagno, East Williston Schools

They have breakfast, get dressed, and go to a baseball game of course! Use mathematical logic to solve fun puzzles and learn about all of the choices a bear can make in a single day. There are more choices than you think. Join us and see . . .

**(16) THE ONE MINUTE CHALLENGE**

**Presenters:** Deb Farley and Kathy Frank, Holy Child Academy, NYSAIS

This workshop challenges participants to work together to accumulate as many lima beans as they can in one minute. Partners work together and use such strategies as subitizing to break the world record.

**(17) HOW DOES YOUR GARDEN GROW**

**Presenter:** Laura Forsyth, Malverne Schools

How does your garden grow? First grade gardeners will use PC software to add, subtract and group spring flowers while learning how to manipulate computer images. Look, mom, no gloves needed!

**(18) MIRA SYMMETRY**

**Presenter:** Suzanne Golder, Malverne Schools

We will use a tool called a "mira" to explore symmetry. Then we will create a symmetry picture. Come create a symmetrical picture to take home.

**(19) FUN WITH GLYPHS \***

**Presenter:** Doris Hicks, Malverne Schools

Wondering what a glyph is? Come to this exciting workshop to find out and make a glyph of your own.

**(20) MEET THE VERY HUNGRY CATERPILLAR**

**Presenter:** Victoria Keller, Uniondale Schools

Enjoy listening to Eric Carle's *The Very Hungry Caterpillar*. Then have fun making caterpillars and looking at a variety of patterns.

**(21) LAND OF THE SUMS**

**Presenter:** Kim Kozlowski, East Williston Schools

Come and join us as we journey through "sum" land. Students will be treated to a wonderful story about addition facts to 10 and will create their own "Sum Land" game. Partners will play the game to see who will become the King or Queen of "Sum Land."

**(22) ROLL THE DICE**

**Presenter:** Henry Kupstas, East Williston Schools

**Have fun using dice to play some really cool math games. Chances are you will have a great time!**

**(23) MATH AND MOVEMENT**

**Presenters:** Herman Lim and Tom Greeley, East Williston Schools

**Two, four, six, eight. Come see how we use exercise as a way to skip count, move and have fun!**

**(24) ANIMAL CRACKERS \***

**Presenter:** Jessica McGee, East Williston Schools

**In this workshop, students will explore the contents of a box of animal crackers. As we discuss our findings, students will practice estimating, sorting, counting, and graphing skills.**

**(25) PUT ON YOUR “GAME” FACE**

**Presenter:** Miguelina Ortiz, Baldwin Schools

**Practice problem solving skills and math facts through fun investigations.**

**(26) GOT A MINUTE?**

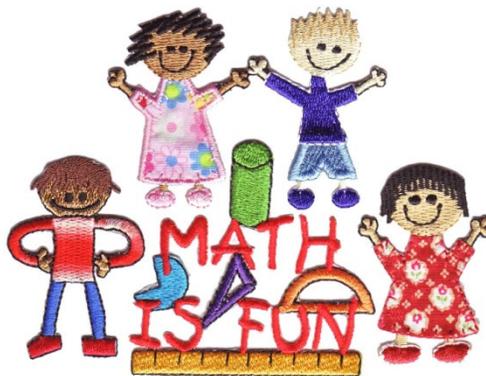
**Presenter:** Mia Ramirez, North Shore Schools

**This workshop will focus on time. Just how long is a minute? Have you met the Grouchy Ladybug? Come spend some time in this workshop.**

**(27) THINK MATH**

**Presenters:** Denise Weinberg and Tara Kennelly, Massapequa Schools

**Looking for fun and exciting games to play with your children at home? Come and learn interactive math games that coincide with daily math skills using the “Think Math” program.**



**Please note \* Workshop may include food**

## **GRADE 2**

**(28) THE GREATEST GAME**

**Presenter:** Barbara Allaire, Malverne Schools

**Learn one of the greatest games, while you read, write and compare great big numbers.**

**(29) ROLL WITH IT!**

**Presenter:** Jennifer Baribault, Shoreham Wading River Schools

**Come join us for fun and interactive games using dice. We will play addition and subtraction games.**

**Play these games at home with your family and show them the math skills you learned here.**

**(30) ARE YOU A LOGICAL THINKER?**

**Presenters:** Hayley Byron and Kim Rowe, Math Consultants

**Have fun solving interesting problems using logic and manipulatives. Leave the workshop with some problems to challenge you at home.**

**(31) A DAY WITH NO MATH \***

**Presenters:** Kelsie Cohen, Sandy Cohen's protégé and Howard Cohen, Computer Consultant

**Based on the story *A Day with No Math*, this workshop will show you how math is a part of our everyday lives.**

**(32) SWEET GEOMETRY \***

**Presenter:** Lisa, Hewlett-Woodmere Schools

**Children will be able to identify solid shapes, faces and edges and vertices while experiencing the fun of building their own geometric shapes with toothpicks and marshmallows.**

**(33) MATH-A-MATIC DINER \***

**Presenters:** Nancy Golden, Alana Hite and Karen Koppelman, Merrick Schools

**Come eat and play at our diner while you practice adding, subtracting, multiplying and logical thinking. We'll feed your mind (and maybe your belly) and you'll even go home with some fun activities to play with your family. So come join us at the Math-a-Matic Diner!!**

**(34) YUMMY SORTING \***

**Presenter:** Angela Palazzo, New Hyde Park/Garden City Park Schools

**Skittles are a fun way to sort, compare and count and graph. Compare and experience a sweet workshop.**

**(35) FUN AND GAMES WITH CARDS**

**Presenters:** Maria Pugliese and Lucia Sapienza, PS 153, NYC Schools

**Join the fun while we play an assortment of math games. You won't even realize that we will be using good thinking to solve and win.**

**(36) SHAPES EVERYWHERE!**

**Presenter:** Allison Robb, Bethpage Schools

**Do you like arts and crafts? Do you like shapes? Then let's put them together! Come and learn how shapes are similar, but different and where we can find them out in the real world! Leave the workshop with an original piece of artwork filled with wonderful shapes!**



## *GRADE 3*

**(40) LET'S PLAY GAMES**

**Presenter:** Michele Anszelowicz Wantagh Schools

**Great fun and bonding take place when a family plays together. Learn new family games that are lots of fun . . . and reinforce math concepts! You will play many exciting games together that will build knowledge and skill on grade level. The best part is you get to go home with directions and supplies for all games learned so you can get started right away at home. Your friends will want to learn how to play too!!!**

**(41) MULTIPLICATION MANIA**

**Presenters:** Kelly Beleckas and Mary Doheny, Long Beach Schools

**Play and take home fun and exciting multiplication games that can be played anytime and anywhere.**

**(42) EDIBLE ANGLES \***

**Presenters:** Joanne Blazich and Melissa Kempton, Uniondale Schools

**We will be creating acute, right, and obtuse angles out of chocolate covered pretzels. We will also be playing Angle Simon Says.**

**(43) FUN WITH TANGRAMS**

**Presenter:** Gina DiSanto, Malverne Schools

**Participants will construct their own set of tangrams and use them to make various animal figures depicted in the book, "Grandfather Tang's Story".**

**(44) FINDING MATH THROUGH THE EYES OF AN ARTIST**

**Presenter:** Claudia D'Ortenzio, Malverne Schools

**Have you admired the works of M.C, Escher? Come and explore various pieces of art. Enjoy the patterns used in tessellations. Discover the math hidden within. Then, create your own art using mathematics.**

**(45) GEOBOARD FUN**

**Presenter:** Wendy Jackson, Freeport Schools

**Have fun using rubber bands and geoboards to make exciting discoveries.**

**(46) BE A SUPERSLUTH PROBLEM SOLVER**

**Presenter:** Margery Masters, Sag Harbor Schools

**Come and solve some interesting math problems that you haven't seen before. We will work together to solve and learn many different ways to get to the solution.**

**(47) MATH GAMES**

**Presenter:** Diana Ryan, Malverne Schools

**Do you love to play games? In this workshop you will learn a dozen games to play at home that will provide hours of fun (don't tell the kids but they're educational too). When you leave this workshop you will have game boards, directions, and materials to get started at home, playing math games that reinforce the third grade curriculum. Parents will leave with a whole new math vocabulary to reinforce their child's learning!**

**(48) 100 YARDS TO WIN!**

**Presenter: Matthew Tetenbaum, Freeport Schools**

**Use your skills to play math football. Be a winner! Score a touchdown!**

**(49) THE NUMBER CLOTHESLINE**

**Presenter: Deborah Upton, Molloy College**

**Do you know what a “pizza number” is? Come see how activities with “mathematical” shirts on a clothes line provide opportunities to explore patterns, number families, and more.**

**(50) MULTIPLICATION MADNESS**

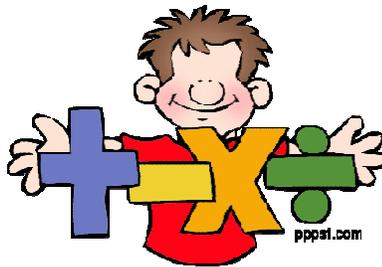
**Presenter: Christine Wrage, Massapequa Schools**

**Have fun practicing your multiplication facts with these interactive multiplication games. If you like to play board games or card games this is the workshop for you.**

**(51) GREAT GAMES AND PERPLEXING PUZZLES**

**Presenters: Shari Zindman, Locust Valley Schools and Steven Zindman Wyandanch Schools**

**If you like great math games and puzzles too, we have a workshop that's just right for you. We'll work with the tangram and have "sum" great fun, and solve lots of puzzles that you'll love a ton! We'll roll the dice and play games with the gang, and you'll find out what happened when The Doorbell Rang!**



**Please note \* Workshop may include food**

## *GRADE 4*

**(52) HAVING FUN WITH CALCULATORS**

**Presenter:** Sonja Barrera, Massapequa Schools

**Students and parents will have fun as they practice their math while playing calculator games.**

**(53) ORIGAMI AND GEOMETRY**

**Presenter:** Elaine Braithwaite, Long Beach Schools

**Did you know you can make amazing things by paper folding? Come and create origami objects while we explore all the ways that geometry can be used to create and learn.**

**(54) TAKE YOUR CHANCES**

**Presenter:** Debby Cupani, Long Beach Schools

**Roll the dice, spin a spinner, flip a coin and come see if you are a winner.**

**(55) MATH FUN AND GAMES**

**Presenter:** Amy Fetters, Roslyn Schools

**Come and learn some new and exciting math games: “Pig”, “Connect 4” and the “Fraction Circle Game”. Have fun while learning and practicing mathematics. Bring home games with you!**

**(56) PALINDROMIC PONDERINGS AND OTHER DELIGHTS**

**Presenter:** Karen Gallo, Bellmore Schools, retired

**Explore the fascinating properties of palindromic numbers, play games of chance and probability, and prepare to have your brain teased!**

**(57) PYRAMATH**

**Presenter:** Dennis Mulhearn, Math Olympiads for Elementary and Middle Schools

**Students, learn a new card game while using problem solving strategies, strengthening your math vocabulary and reinforcing the basic facts. Warm up with puzzles and then challenge your parents to play the card game Pyramath. Each family will get a set of Pyramath cards to take home and play.**

**(58) FRACTIONS - GET A PIECE OF THE ACTION**

**Presenter:** Grace Parisi, Long Beach Schools

**A piece of pie? A slice of pizza? Playing half a game .... Enjoy fractions in many fun and interesting ways.**

**(59) HAVE SOME FUN WITH NUMBERS:**

**Presenter:** Grace Quinlan, New Hyde Park/Garden City Park Schools

**Learn some magic “Arithmetricks” that you can do with your friends. They will be amazed! Only you will know the “secret”. I will even guess your birthday.**

**(60) BOXES, BOXES, BOXES**

**Presenter:** Nicholas Restivo, Executive Director, Math Olympiads

**Transform used greeting cards into boxes useful for small item storage. Discover geometry concepts and answer questions about parallelograms, rectangles, squares and other quadrilaterals.**

**(61) TANTALIZING TANGRAMS**

**Presenter: Luz Rosado, Long Beach Schools**

Tangrams make up a square that is cut into 7 geometric shapes. Explore the tangram puzzle and use it to develop understanding of fractions by identifying and ordering fractional pieces. Cover animal pictures with the tangrams. Use shapes to identify fractional relationships. Come and join the fun with tangrams.

**(62) OPTICAL ILLUSIONS = MIND BLUFF**

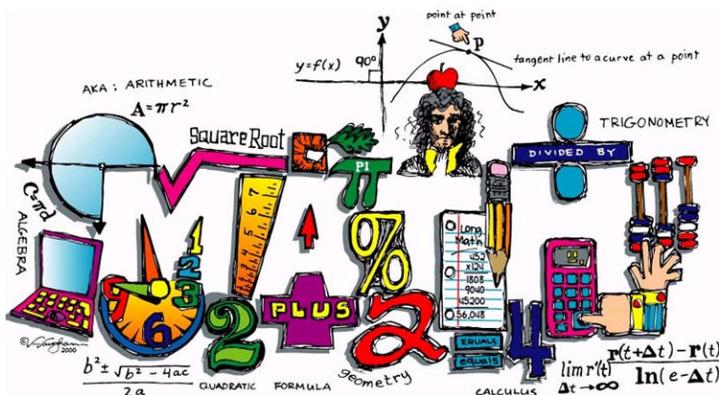
**Presenter: Lisa Rundo, Long Beach Schools**

Everyone loves optical illusions! In this workshop you will explore optical illusions and the math required to create them. Every student will design an illusion of a 3-Dimensional room on a 2-Dimensional piece of paper using math measurement tools. Bring your imagination!!

**(63) BECOME A MATH WIZARD**

**Presenter: Debbie Tyler, Nassau Community College**

Learn to perform some mystifying math tricks and impress your friends with your psychic powers. Guess their birthdays, read their minds and dazzle them with some perplexing brain teasers and puzzles.



Please note \* Workshop may include food

*GRADE 5/6*

**(64) FRACTIONS AND DECIMALS, OH MY!**

**Presenter:** Brenda Allen, Hempstead Schools

Test your strategies and skills using fractions and decimals while playing fun games with your partner. Several games will be introduced and take home activities will be provided.

**(65) GAMES GALORE!**

**Presenter:** Rosemary Amorini, Long Beach Schools

Who wants to be a winner? Let's play some card and dice games to get your mind thinking about all the winning possibilities.

**(66) THE REMARKABLE GOLDEN MEAN**

**Presenter:** Al Cavallaro, Nassau Community College

In 1195, Leonardo of Pisa, better known as Fibonacci, wrote this sequence of numbers in his arithmetic book; 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, ... and launched the incredible golden mean era. With a few simple experiments, we will try to demonstrate what the golden ratio is and how it seems to govern so many diverse aspects of life.

**(67) BUBBLES, CANDY + MATH, WHAT A FANTASTIC COMBINATION \***

**Presenter:** Lisa Clark, Sewanhaka Schools

Come explore different math concepts with fun, hands-on activities using candy!

**(68) M.C. ESCHER TIME . . . CREATE YOUR OWN TESSELLATION**

**Presenter:** Peter Crisci, East Williston Schools

A tessellation is created when a shape is repeated over and over again without any gaps or overlaps. Students and parents will form a unique shape and create their own repeated pattern.

**(69) USING FRACTIONS TO BUILD PROPORTIONAL REASONING**

**Presenter:** Patricia Fallon, Long Beach Schools

Using three models of fractions, area, set and number line, participants will experience literature, songs and meaningful, ready-to-go activities.

**(70) GOODNESS GRACIOUS GREAT GAMES OF MATH**

**Presenter:** Joe Granieri, Bethpage Schools

Come one, come all, to play some of the great games of math! Kids and parents . . . bring nothing but your mighty pencil, and your stronger than steel brain, in a battle of the ages . . . who will win? Parents? Kids? Or could it be a tie? Sign up and find out . . .

**(71) DESIGN AND LAUNCH YOUR OWN FILM CANISTER ROCKETS**

**Presenter:** Emily O'Brien, Plainedge Schools.

Participants will use their mathematical skills, along with science principles, to design their own rockets. Launching included!

**(72) TESSELLATIONS**

**Presenter:** Diane Pryor, Malverne Schools

Do you know what a tessellation is? Do you think you can make one? We will look at some tessellations; learn the math you need to know and you will make your own to take home.

**(73) CAN YOU FIGURE IT OUT?**

**Presenter:** Arkadiy Simonovsky, Long Beach Schools

**Come and be a super problem solver! We will “figure” out all of the different possibilities to solving and ways to get to the solution.**

**(74) FUN WITH NUMBER TILES**

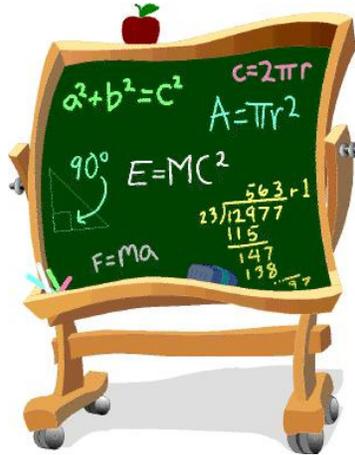
**Presenter:** Jay Spitz, Long Beach Schools

**Come and explore several hands-on activities using number tiles. Enhance your number sense and take home math activities to continue the fun.**

**(75) THE ODDS ARE . . .**

**Presenter:** John Titolo, Bethpage Schools

**You will enjoy doing a variety of probability activities in this workshop. Fun and prizes are guaranteed.**



**Please note \* Workshop may include food**