

AMTNJ *Customized Staff Development Workshops 2020-2021*

What is Customized Staff Development?

Customized Staff Development (*formerly known as "PD on Demand"*) is a program in which a school district or other organization requests a speaker to provide professional development for their staff. The organization may choose a workshop from our brochure to be tailored to fit their needs, or they may request a completely customized workshop.

Response to COVID-19

AMTNJ now offers virtual professional development options. We aim to offer dynamic, engaging, and interactive online workshop sessions, not simply lectures. While we have always offered PD on a wide variety of topics, we have added some workshops centered around the specific challenges of virtual or hybrid learning.

Cost

The current costs to school districts for an **in-person** workshop are as follows (assuming 20 participants):

- \$1,500 for a full day (5 hours), 8:30 AM - 3:00 PM, with an hour for lunch and two 15-minute breaks.
- \$1,200 for a 9 AM - 1 PM session.
- \$800 for up to 3 hours.

In a **virtual** setting, the cost is \$250 per hour for 1 - 5 hours, possibly split over multiple sessions/ days.

Please contact us to request a Customized Staff Development workshop!

Email info@amtnj.org

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Please contact us to request a **customized workshop**. We will work with you to meet your district or organization's professional development needs! We also offer the following **predesigned workshops**:

Interactive Online Mathematics Learning

MRS. KATHLEEN WALLACE

GRADES K - 5;

1-5 HOURS

Participants will learn about best practice in an online environment, the use of synchronous and asynchronous instruction, and how best to engage students in active mathematics learning. The effective use of various platforms will be discussed, and teachers will create online lessons for use in virtual classrooms.

Singapore Math Online

MRS. KATHLEEN WALLACE

GRADES K - 5, MATH COACHES;

1 - 5 HOURS

Participants will learn how to create engaging, interactive online math instruction for and implementing Singapore-based math programs such as Math in Focus, Primary Mathematics, and Dimensions Math. Teachers will create online lessons for use in their virtual classroom.

Developing Mathematical Mindsets

MRS. KATHLEEN WALLACE

GRADES K - 5;

1 - 5 HOURS

Based on the extensive research of Carol Dweck and Jo Boalar at Stanford, we know that a growth mindset is particularly important in the math classroom. How can we prevent math anxiety? How can we help every child see that they are capable of high achievement in math? In this workshop, we will rethink our instructional models, our own attitudes toward mathematics, and the subtleties of our teaching methods so that each student finds "math power." Teachers will be able to plan, develop, and try out math mindset lessons and techniques.

MAFF Time: Math Activities for Fun

LUANN VOZA, ED.D.

GRADES 3 - 8;

1-3 HOURS

MAFF Time offers dozens of standards-based activities for grades 3-Middle School that are guaranteed to engage and excite your students while focusing on critical and creative thinking. Whether you are rapping about patterns, walking to the moon, hugging for centimeters, or shouting "IZZA IZNOTTA!", students will declare that your math class is the place to be.

Designing Differentiated Digital Activity Lists

MRS. COSHETTY VARGAS

GRADES 3 – 8; 1 – 2 HOURS (+)
Create differentiated daily or weekly digital activity lists that allow students to drive their own learning by making choices and scheduling time. These activity lists include assignments, lessons, practice, and many digital resources chosen by you to align with your lessons to give students an opportunity to have more control of their learning. During this session you will view samples and use a template to create your own design that fits best your students' needs.

Hitting a Grand Slam on the NJSLA-M

MR. TOM BEATINI

GRADES 6 – 8, MATH COACHES, SUPERVISORS, ADMINISTRATORS; 3 HOURS
Do you want your students to hit it out of the park on the NJSLA-M? This workshop provides proven hands-on activities that succeed where traditional "drill to kill" and algorithm-based methods fail. Emphasis is placed upon tasks that promote reasoning and problem-solving, and that build procedural fluency from conceptual understanding.

Want to Develop Fluency with Functions? Algebra Patterns!

MR. TOM BEATINI

GRADES 6 – 8, MATH COACHES, SUPERVISORS, ADMINISTRATORS; 1 HOUR
Participants will be provided with classroom-ready hands-on lessons that enable students to connect patterns and recursive rules to functions. Emphasis will be placed on connecting concrete, pictorial, and abstract representations to help students develop conceptual understanding, refine procedural fluency, and analyze change in various contexts. Bring your scientific calculator!

Flipping the Classroom

MRS. JENNIFER GOFORTH

GRADES 6 – 12; 2-3 HOURS
Are you looking for ways to integrate technology in the classroom effectively? Do you want to increase the number of students completing homework? Then flipping the classroom may be a strategy you want to implement in your classes. This workshop will provide a framework for flipped learning, where students watch instructional videos for homework and do the practice in class.

Desmos Tools for Hybrid/Virtual Learning

MRS. KATHLEEN CARTER

GRADES 6 – 12, SUPERVISORS, ADMINISTRATORS; 1 HOUR (+)
The Desmos Activity Builder is a tool to engage students in mathematical thinking and collaboration in the classroom and has easily transitioned to a platform for hybrid schooling and virtual learning. Participants will act as students in 'virtual school' and learn about the new features available to conduct a lesson from school or home with students.

The Desmos Card Sort

MRS. KATHLEEN CARTER

GRADES 6 – 12, SUPERVISORS, ADMINISTRATORS; 1 HOUR
The Desmos Card Sort is a powerful tool for helping students make connections. A card sort activity is a great class opener to generate discussion, an exit ticket to check student understanding or an assessment tool. Participants can explore card sort activities from algebra to calculus and will learn how to create customized card sort activities for their courses.

Teaching and Learning Mathematics in the 21st Century through Technology

MRS. COSHETTY VARGAS

GRADES 6 – 12; 4 HOURS
Teachers will use laptops / iPads to explore various instructional strategies of our evolving classrooms of the 21st century by incorporating valuable websites and apps that encourage the use of meaningful engaging activities to enhance technology use and learning in the classroom. Teachers are not limited to just using these technology tools but also involve your students to create their own personal activities such as generating QR codes, creating their own video or a game from an interactive educational website.

Magic Squares... Beyond all Odds!

MRS. COSHETTY VARGAS

GRADES 6 – 12; 2 HOURS (+)
Magic squares are cool. Algorithms that create magic squares are even cooler. Magic Squares are $n \times n$ matrices with numbers $1, 2, \dots, n^2$ for which each row, column, and both diagonals sum to the same value. We will review how to construct magic squares of any odd order and apply the formula for adding consecutive numbers $n(n+1)/2$ to generate the formula for the magic sum $n(n^2+1)/2$. Applicable middle school lessons such as multiples, area, perimeter, formulas, and patterns will be included.