The Carnegie Learning Classroom “The Carnegie Way”
Bring your student hat and teacher hat to this session! Experience a Carnegie Learning demonstration lesson, as a student, to build an understanding of what a Carnegie Learning classroom should look like, sound like, and feel like. Then put on your teacher hat to debrief the role of the facilitator during the lesson, the observed teacher moves, and the potential impact on student learning.

Creating a Community of Collaborators: Activities and Routines to Promote Collaboration
What does it mean to collaborate? How can we help students see the importance of collaboration? What can we do to facilitate the development of skills and characteristics needed for student collaboration? We answer these questions, and more, as we look at activities and routines that help set the foundation for the student-centered, collaborative classroom environment.

The Carnegie Learning Lab 101 — Student Side of Things
What should a Carnegie Learning lab look like, sound like, and feel like? Come join us for an interactive and informative session that will leave you with a clear picture of a successful lab implementation. Explore the MATHia course content and leave with an understanding of how to navigate the MATHia Software from a student’s perspective, a knowledge of the key features of the MATHia Software, and the ability to create an effective Carnegie Learning lab.

The Carnegie Learning Lab 101 — Teacher Side of Things
In this session, explore top Teacher’s Toolkit tasks and student usage reports in order to gain a detailed understanding of how to manage the day-to-day student work within the MATHia Software.

Equipping and Energizing Carnegie Learning Parents
Join us as we explore a variety of resources and ideas to help support your Carnegie Learning implementation outside of the classroom. Learn how to effectively communicate with parents and help them to support their children with homework and the MATHia Software. Additionally, discover how to implement home connection workshops, Family Math Nights, and more.

Making Instructional Decisions on a Daily Basis: Lesson Planning with Carnegie Learning Resources
One of the most difficult parts of implementing is making those daily decisions. Join us for a hands-on, interactive session focused on making the most of your lesson planning. Discover a process designed to help you be intentional about planning each and every lesson in a way that won’t have you spending entire weekends doing so!
The Student-Centered Classroom: 5 Questions to Help Enhance Classroom Culture
Have you ever wondered how to take collaboration to the next level? The student-centered classroom gives students a voice and taps into their values. Join us as we explore and discuss five questions that will help develop a student-centered culture in your mathematics classroom.

Easy to Implement Strategies for Differentiation
Does the idea of differentiation make you cringe? Does it seem impossible to differentiate for a variety of student needs? Come and explore a variety of different teaching tools and strategies to differentiate instruction and increase student engagement.

Making the Hard Parts Easy: Teaching in 2017 and Beyond
It’s a great time to be a teacher! There is an influx of technology in our classrooms and students have access to a resource that we never did: connectivity. Our pedagogy must shift to prepare today’s students to connect to (and interact with) the world. Be prepared to move around and mingle, discuss classroom applications, and leave with take-aways.

Literacy in the Math Class: Deepening Mathematical Understanding through Reading, Reasoning, and Writing
What is Math Literacy? How can you deepen mathematical understanding in your classroom? In this session, you will explore strategies to help students approach problem solving from a holistic perspective.

Why Ask? The Importance of Questions in the Classroom
The most important tool teachers have is the questions they ask students on a daily basis. This session features a demonstration lesson with a variety of questioning techniques. Participants will categorize and analyze types of probing questions and create and plan questions to use in their classrooms in order to promote discussion and deepen students’ mathematical knowledge.

Creating a Successful Co-Teaching Classroom: Learning to Let Go
Have you been assigned a co-teacher and need guidance navigating the dynamics of shared instruction? Come experience a co-taught mathematics lesson and discuss strategies for differentiating and co-teaching success.

Modeling WITH Mathematics: The Myth and The Facts
Ask anyone what it means to model with mathematics and you will get different responses each time. Utilizing a variety of modeling tasks, we will uncover the myths and truths of Mathematical Practice Standard 4 (Model with Mathematics) and how to support students as they develop the ability to model with mathematics.
The Carnegie Learning Leader’s Role
Are you a leader supporting teachers in a Carnegie Learning implementation? Attend this session to gain an understanding of what an effective Carnegie Learning math classroom should look like and gain resources to help facilitate this vision in your school. First, you will experience a short demonstration lesson using Carnegie Learning instructional resources. We will then explore a Carnegie Learning Look-Fors document that can be used for both classroom and computer lab walkthroughs, and discuss how to use this document to effectively support teachers as they implement the curriculum. Additionally, we will delve into the MATHia usage reports to identify available reports, metrics, and action items to be used during your data conversations with teachers.

Effective Instructional Coaching: Connections not Content
Here’s what teachers don’t want: A coach who knows everything, was teacher of the year, has a binder full of great lessons and coffee breath. Instead, be a coach who listens intently, fails grandly, and grows constantly. You don't need to be perfect, you need to be real.

Transforming Classrooms
Is your job supporting teachers as they implement Carnegie Learning’s instructional materials? If so, come join the conversation and discuss strategies to facilitate and promote meaningful mathematics in your classrooms.

Designing Professional Learning that Works
Have you ever heard the saying “teachers makes the worst students?” What a scary thought for anyone tasked with preparing a professional development opportunity for teachers! Designing professional learning for a diverse adult audience can be difficult, but we’ve learned a few things in our 20+ years. Join us as we share the key elements of professional learning and gain practical tips to ensure your adult learners leave energized, equipped, and begging for more.

Shifting the Culture of Mathematics with Professional Learning Communities that Work
Want Professional Learning Communities that run like clock work? Interested in seeing teachers collaboratively plan, teach, collect data, and reflect on the student learning that occurred? Join us to hear the story of Ramirez Thomas Elementary School in Santa Fe, NM. We will discuss how one school changed the culture of their own professional learning and in turn, shifted the culture of mathematics in their building.

Innovative Thinking in Action: How Design Thinking Can Transform Schools and Classrooms
Design Thinking is a human-focused, innovative process for problem solving. Design Thinkers are encouraged to identify needs through empathy and to generate meaningful solutions to challenges. This action-oriented process develops a culture of prototyping, testing, and improving ideas that evolve into solutions dependent on feedback for improvement. Join us as we embark on a rapid-design challenge together and leave with some new ideas around how to foster an open, innovate classroom environment.
Blasting Away from JAVA: Transitioning to the New MATHia Platform
Come learn about and experience the latest developments in Carnegie Learning’s innovative, individualized computer program. Experience MATHia without worrying about JAVA, explore new instructional strategies designed to build conceptual understanding, and examine the mathematical content available to you and your students.

Introducing the NEW Carnegie Learning Middle School Math Series
Will you be using Carnegie Learning’s new Middle School Math Solution next year? Want to hear about these amazing text resources straight from the Development Team? Sandy and Amy will introduce you to the Carnegie Learning Way and discuss how the mathematics connects across grade levels.

Lessoneer: Making All Your Carnegie Learning Planning Dreams Come True
Would you like to spend less time hunting down the different Carnegie Learning resources associated with each lesson and more time lighting up the classroom? Join this interactive session and discover how Lessoneer can provide all of your instructional planning resources in one online location. With this resource, you will be able to save time preparing lessons, see which standards are being taught, connect lessons to the appropriate software sections and supplemental resources, and exchange notes and resources with colleagues.
Algebra Tiles: Effectively Using Algebra Tiles in the Mathematics Classroom
Have you ever wanted to help your students develop the conceptual understanding of combining like terms, solving equations, operations of polynomials, factoring polynomials, and even completing the square? Join us in building concrete models of these procedures to help your students make connections to these abstract mathematical concepts they often struggle with.

Tied in Knots
Participants will engage in two mathematical tasks that help students “see the story” behind the graph of a linear function and a system of equations. Students with varied ability levels can access the math through these tasks.

Putting Values in Their Place: Understanding Struggles with Place Value
Experience numbers like a student again! We’ll use base 10 blocks and number charts as we seek to understand and operate with a new number system and build conceptual knowledge of place value. Through this experience, you will gain insight to how your students may be thinking as they learn the meaning of numbers and how to operate with them.

More than Meets the Line
Finding the equation for the line of best fit is just the beginning. Why do we always stop working on a best fit problem when we find an equation? Should we care about the slope and y intercept? Let’s explore the value of determine the line of best fit and what it tells us when analyzing and interpreting data in context.
Data-Driven Instruction ... Amplified
Data-driven instruction is a SUPER expression used throughout education. Figuring out what data to use, then when and how to use it can become cumbersome and overwhelming at times. The purpose of this session will be to identify the type of data needed to inform daily instruction and view methods of gathering data and providing productive feedback.

Improving Implementations: What the Data Says
Carnegie Learning’s mathematics curricula have been studied by external researchers more than any other middle or high school mathematics program. A recent study by the RAND Corporation may be the largest rigorous study of an Algebra curriculum ever conducted. The results show that students using MATHia nearly doubled the growth in knowledge of the control group. A close look at the results of this and other studies shows that these results are crucially dependent on implementation. This session will review some of the major studies and talk about implementation characteristics that lead to extraordinary results.

Applause for Improved Assessment
Join our Chief Product Architect and Co-Founder, Dr. Steve Ritter as he discusses one of Carnegie Learning’s newest reports. The Adaptive Personalized Learning Score (APLSE, pronounced “applause”) was developed to provide a summary of how students have performed in the workspaces they’ve completed. The APLSE report was designed to be used for grading as well as to determine whether students are on track with their assigned content for the end of the year. Participants will learn about how the Cognitive Model operates within MATHia, the benefits of the APLSE report, and our goal to utilize the APLSE score as a basis for replacing high-stakes end-of-year testing with continuous formative assessment.

Edulastic: 21st Century Assessments
Edulastic provides educators with access to assessment tools easy enough to implement for classroom formative assessments, yet sophisticated enough for common interim and benchmark assessments that mirror state tests. Come learn how Edulastic will free your time in grading stacks of papers, provide true differentiated data, and allow you to give immediate feedback to your students.

Motivating Students Using the Teacher’s Toolkit Reports
Now that you know how to set up your Carnegie Learning Teacher’s Toolkit and run reports, how do you use this data to motivate your students? Participants will experience ways to regularly use data to inform their instruction and conversations with students.