

# DISTRICT WIDE STAFF DEVELOPMENT

**AUGUST 8, 2019**

## BETTER AS



## MATHEMATICS 3—12

Welcome to the District Wide Staff Development for Mathematics, Grades 3—12.

This morning you will attend break-out sessions presented by your peers. These sessions are grounded in the beliefs of Conroe ISD's Instructional Model and remind us that to serve our students, we are better as one. We are better as we learn, teach, create and face challenges as one. We are a team of dedicated educators striving to bring our individual talents together as one group for the betterment of our students.

We may come from different backgrounds, experiences and learning, but to provide the best for ALL of our students, we come together... Better as 1.

## Mathematics Day at a Glance

8:00am – 8:30am	Welcome and General Session ( <i>Auditorium</i> )
8:40am—9:30am	Session I
9:40am—10:30am	Session II
10:40am—11:30am	Session III

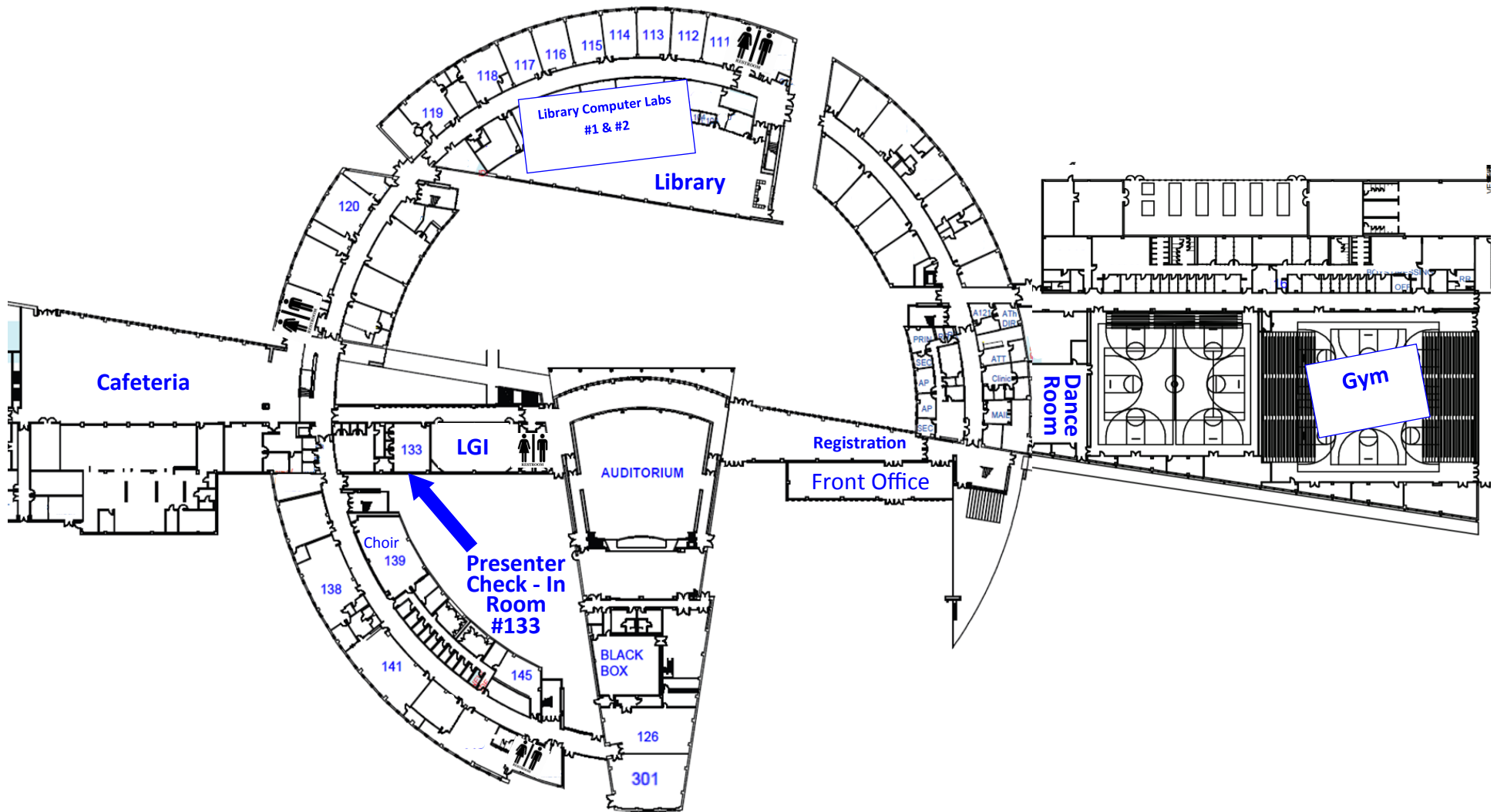


## My Planner

Session I	1st Choice:	Rm:
	Alternate Choice:	Rm:
Session II	1st Choice:	Rm:
	Alternate Choice:	Rm:
Session III	1st Choice:	Rm:
	Alternate Choice:	Rm:

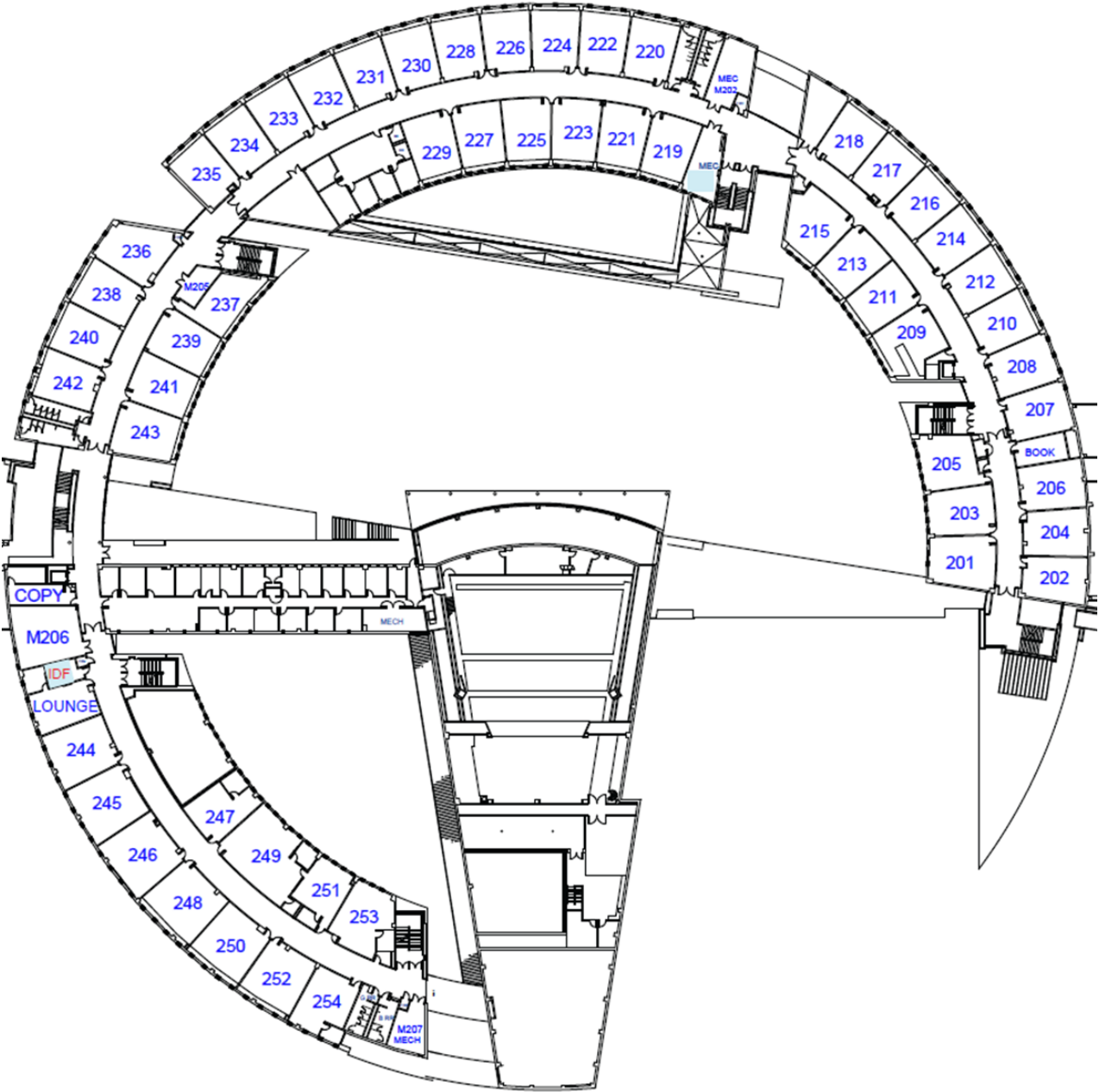
# The Woodlands High School

## 1st Floor



# The Woodlands High School

## 2nd Floor



# Elementary Sessions— SESSION ONE

Level	Title	Description	Presenter(s)	Room
3	<i>BETTER</i> with 3rd Grade Scope & Sequence Updates	<i>Come learn about updates to the math scope and sequence! In order to reach the depth of the TEKS in the time provided, it is important to cluster (group) TEKS and not teach them in isolation. This year we have added a clustering document to the beginning of each unit which includes a suggested pacing order, cluster descriptor and explanation to help guide your instruction. Walk away with a printed copy of the first grading period scope &amp; sequence!</i>	Brittany Koester Conroe ISD Mathematics Dept	111
4	<i>BETTER</i> with 4th Grade Scope & Sequence Updates	<i>Come learn about updates to the math scope and sequence! In order to reach the depth of the TEKS in the time provided, it is important to cluster (group) TEKS and not teach them in isolation. This year we have added a clustering document to the beginning of each unit which includes a suggested pacing order, cluster descriptor and explanation to help guide your instruction. Walk away with a printed copy of the first grading period scope &amp; sequence!</i>	Karesse Mitchell Conroe ISD Mathematics Dept	112
3—5	<i>BETTER</i> at Fractions	<i>Through this session, we will explore the vertical alignment of the fraction TEKS from 2nd-5th grade and how to teach them conceptually. We will work through activities you can take back to your classroom which will help your students develop a deep understanding (and dare I say LOVE) of fractions.</i>	Teresa Carroll Conroe ISD Mathematics Dept	113
3—6	<i>BETTER</i> at Supporting Students who Struggle	<i>This session will provide teachers with ideas to support students who struggle for each component of CISD Solves Math Structure.</i>	Denise Griffin Conroe ISD Student Support Services	118
3—4	<i>BETTER</i> with Instruction and Intervention	<i>This session will explore Greg Tang's "less is more" approach to teaching critical concepts and skills, including progressions of concrete, pictorial, and abstract (C-P-A) models that give kids a deeper understanding of math.</i>	Julie Boland Ride Elementary	201
3—4	<i>BETTER</i> using Exit Tickets to Inform Instruction & Intervention	<i>Come learn how to collaboratively plan and create TEKS-aligned exit tickets, develop criteria for evaluating student work, and use the information gathered from these formative assessments to inform your instruction and intervention.</i>	Courtney Manning San Jacinto Elementary	202
3—4	<i>BETTER</i> at Determining the Operation(s) in Word Problems	<i>This course will provide teachers with activities and lessons for small group, whole group, or guided math to help students choose the correct operation or operations in word problems.</i>	Moriah Bunker Stewart Elementary	203
3—6	<i>BETTER</i> way to collect data from Guided Math	<i>This a is "how to", for novice teachers, to collect data from student's station work and use it to drive your instruction or future anchor stations.</i>	Teresa McFarland & Rachel Young Coulson Tough Elementary	204
3—4	<i>BETTER</i> with Engagement: Math Activities & Games	<i>Want to up your GAME? Come see how to make your classroom the "fun classroom" with engaging activities, games, and ideas for transforming learning</i>	Richelle Perry & Sarah Page Snyder Elementary	205
3—4	<i>BETTER</i> Interactive Math Notebooks	<i>We will be discussing and sharing ideas for creating interactive math notebooks in 3rd and 4th grade students.</i>	Fabie Lozano Birnam Woods Elementary	206
3—12	<i>BETTER</i> with ClassKick	<i>Come see how this app has changed our classrooms! When used to its potential, this paperless alternative provides each grading, immediate teacher/student feedback, virtual hand-raising, and even the ability to provide accommodations like OA. Regardless of grade level, this APP is APPLICABLE to you!</i>	Mallory Gillett & Brooklyn Johnson Wilkerson Intermediate	207
3—12	<i>BETTER</i> with Canvas	<i>Discover how using various Canvas tools such as Modules, Discussions, Assignments, and External Tools can streamline your Math classroom. Get a head start preparing your Canvas course for the upcoming year!</i>	Mindy Harding Instructional Technology	229

# Elementary Sessions— SESSION TWO

Level	Title	Description	Presenter(s)	Room
3	<i>BETTER</i> with 3rd Grade Scope & Sequence Updates	<i>Come learn about updates to the math scope and sequence! In order to reach the depth of the TEKS in the time provided, it is important to cluster (group) TEKS and not teach them in isolation. This year we have added a clustering document to the beginning of each unit which includes a suggested pacing order, cluster descriptor and explanation to help guide your instruction. Walk away with a printed copy of the first grading period scope &amp; sequence!</i>	Brittany Koester Conroe ISD Mathematics Dept	111
4	<i>BETTER</i> with 4th Grade Scope & Sequence Updates	<i>Come learn about updates to the math scope and sequence! In order to reach the depth of the TEKS in the time provided, it is important to cluster (group) TEKS and not teach them in isolation. This year we have added a clustering document to the beginning of each unit which includes a suggested pacing order, cluster descriptor and explanation to help guide your instruction. Walk away with a printed copy of the first grading period scope &amp; sequence!</i>	Karesse Mitchell Conroe ISD Mathematics Dept	112
3—5	<i>BETTER</i> with Choice	<i>Giving students choice is giving them ownership over their own learning. In this session we will explore how to use data trackers to identify student strengths and weaknesses. Then, we will discuss how to create choice boards students can use during station rotations to specifically address their own individual areas of need.</i>	Teresa Carroll Conroe ISD Mathematics Dept	113
3—4	<i>BETTER</i> with Google Drive	<i>Come see how to implement google drive in the classroom including exit tickets, differentiated review videos, vocabulary review and station games. We'll also share how to create and upload teaching videos and how to track student accountability for independent work</i>	Kealy Gilbreath & Crystal Grams Wilkinson Elementary	212
3—5	<i>BETTER</i> Instruction with Better Planning	<i>Come learn about how to use all of the resources available to you to plan specific and targeted instruction for your students. Our time with students is limited and valuable; therefore, let's make sure our instruction is on point!</i>	Jesynia Rondina Bozman Intermediate Jessalyn Christenson Vogel Intermediate	213
3—6	<i>BETTER</i> without Paper	<i>BYOW! (Bring Your Own Worksheet!) Transform your paper worksheets into truly interactive learning experiences. Use a variety of tools to change paper-based activities into engaging interactive digital learning.</i>	Mindy Harding Instructional Technology	229
3—8	<i>BETTER</i> with Math Blogs and Interactive Notebooks	<i>How to get students math blogging and using their interactive notebook as a vital tool in your class.</i>	Allison Alford & Leda Davis Clark Intermediate	214
4	<i>BETTER</i> with Goal Setting	<i>Utilize goal setting to increase student achievement. Encourage individual student growth by using the progress measure report, goal tracking and rubrics for classroom and district assessments. You will leave with the tools to begin goal setting with your students from the first day of school.</i>	Leti McMichael Sam Houston Elementary	216
4—6	<i>BETTER</i> with Self-Checking Stations	<i>Come explore the different independent, partner, and technology stations that your students will love! Enjoy a mock guided math classroom using self-checking stations.</i>	Esther Malyemezian & Chelsea Britten Grangerland Intermediate	217
3—6	<i>BETTER</i> than the Usual Task Cards	<i>Boom cards! Come learn how to up your game with online task cards. No more color copies or pages of lamination to cut out! These are a great way to hold your students accountable or use them for a grade. Adaptable for any subject or grade!</i>	Kelly Doty & Laurie Baus Ford Elementary	218

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3—6	<i>BETTER</i> at Supporting Students who Struggle	<i>This session will provide teachers with ideas to support students who struggle for each component of CISD Solves Math Structure.</i>	Denise Griffin Conroe ISD Student Support Services	118
3—4	<i>BETTER</i> with Hidden Questions	<i>Multi-Step word problems can be a challenge for our students. Come learn about a way to teach students how to solve these equations by better understanding the question and what they are asking.</i>	Melody Runnels Bradley Elementary	220
3—12	<i>BETTER</i> take it OUTSIDE!	<i>Get your students thinking and talking mathematically with kinesthetic activities!</i>	Faith Craig Conroe High School	230
3—5	<i>BETTER</i> student participation	<i>Total Participation Techniques: Allows for all students to demonstrate, at the same time, active participation and cognitive engagement. A Total Participation mindset can effectively take the focus off of teaching and place it on LEARNING.</i>	Lisa Schaller Patterson Elementary Devon Baker Bradley Elementary	221
3	<i>BETTER</i> with Guided Math Station Organization and Classroom Management as Students Rotate Through Stations	<i>Come get great ideas for Third Grade Guided Math stations and how to organize them in your classroom! Amazing resources will be shared for content in each station, as well as ideas for clean and seamless transitions while you work with your small group. In addition, you will learn about "CHAMPS-ing" stations to ensure that students are engaged and on-task during Guided Math.</i>	Clarissa Montgomery & Davelyn Mills Deretchin Elementary	222
3	<i>BETTER</i> with Plickers	<i>Your classroom can be better with Plickers! Join this session as we share how we use Plickers to assess our students in Math!</i>	Stacey Dunn & Laura Milburn Houser Elementary	223
3—5	<i>BETTER</i> with Review Games	<i>Come get your GAME ON and learn how to play several exciting review games to encourage team work, math talk, and physical movement.</i>	Kelly Moore Kaufman Elementary	224
3—4	<i>BETTER</i> Ideas for Student Output	<i>Come explore technology tools that will provide new and exciting ways for your students to "show what they know". We will explore apps, such as quiver vision and Superhero HD, and see how they can be used by students to demonstrate their mastery of math content in a fun and engaging way!</i>	Brittney Dexter Broadway Elementary	225
4—5	<i>BETTER</i> with ClassKick	<i>Come see how this app has changed our classrooms! When used to its potential, this paperless alternative provides each grading, immediate teacher/student feedback, virtual hand-raising, and even the ability to provide accommodations like OA. Regardless of grade level, this APP is APPLICABLE to you!</i>	Stephanie Bogenrieder & Erin Osterman Collins Intermediate	226

# Intermediate Sessions— SESSION ONE

Level	Title	Description	Presenter(s)	Room
5—6	<i>BETTER</i> with 5th and 6th Scope & Sequence Updates	<i>Come learn about updates to the math scope and sequence! In order to reach the depth of the TEKS in the time provided, it is important to cluster (group) TEKS and not teach them in isolation. This year we have added a clustering document to the beginning of each unit which includes a suggested pacing order, cluster descriptor and explanation to help guide your instruction. Walk away with a printed copy of the first grading period scope &amp; sequence!</i>	Tara Crowson Conroe ISD Mathematics Dept	114
3—5	<i>BETTER</i> at Fractions	<i>Through this session, we will explore the vertical alignment of the fraction TEKS from 2nd-5th grade and how to teach them conceptually. We will work through activities you can take back to your classroom which will help your students develop a deep understanding (and dare I say LOVE) of fractions.</i>	Teresa Carroll Conroe ISD Mathematics Dept	113
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3—12	<i>BETTER</i> with Canvas	<i>Discover how using various Canvas tools such as Modules, Discussions, Assignments, and External Tools can streamline your Math classroom. Get a head start preparing your Canvas course for the upcoming year!</i>	Mindy Harding Instructional Technology	229
5—6	<i>BETTER</i> with Digital Stations	<i>Learn how to create and upload digital stations to canvas.</i>	Kayla Murray & Jessica Weninger Tom Cox Intermediate	208
5—6	<i>BETTER</i> Differentiation with Manipulatives	<i>We will showcase ways to differentiate your small group instruction (or guided math stations) with Manipulatives. We will include ways to incorporate everyday items as manipulatives to enhance understanding of 5th and 6th grade Math TEKS, and increase engagement.</i>	Sara Cook & Ashli Wells Bozman Intermediate	210
5—6	<i>BETTER</i> Ways to Motivate Student Success	<i>Come celebrate your student's success with positive motivation, ideas to improve study skills and meaningful data driven test corrections</i>	Candice McDougal Clark Intermediate Julie Sorrentino & Amy Hickman Mitchell Intermediate	211



# Intermediate Sessions— SESSION TWO

Level	Title	Description	Presenter(s)	Room
5—6	<i>BETTER</i> with 5th and 6th Scope & Sequence Updates	<i>Come learn about updates to the math scope and sequence! In order to reach the depth of the TEKS in the time provided, it is important to cluster (group) TEKS and not teach them in isolation. This year we have added a clustering document to the beginning of each unit which includes a suggested pacing order, cluster descriptor and explanation to help guide your instruction. Walk away with a printed copy of the first grading period scope &amp; sequence!</i>	Tara Crowson Conroe ISD Mathematics Dept	114
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5—8	<i>BETTER</i> when we create common assessments as a PLC	<i>Creating meaningful grade level common assessments in your PLC is one of the most important things you can do. Learn a process that can help your common assessments have a rigor level that is close to STAAR, help teachers collect data to measure student knowledge and remediate effectively, and help each member of the PLC develop a deeper understanding of their content so they are more effective at delivering the TEKS specific content.</i>	Michelle Washington Grangerland Intermediate	219

# Intermediate Sessions— SESSION THREE

Level	Title	Description	Presenter(s)	Room
5—6	<i>BETTER</i> with 5th and 6th Scope & Sequence Updates	<i>Come learn about updates to the math scope and sequence! In order to reach the depth of the TEKS in the time provided, it is important to cluster (group) TEKS and not teach them in isolation. This year we have added a clustering document to the beginning of each unit which includes a suggested pacing order, cluster descriptor and explanation to help guide your instruction. Walk away with a printed copy of the first grading period scope &amp; sequence!</i>	Tara Crowson Conroe ISD Mathematics Dept	114
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3—12	<i>BETTER</i> take it OUTSIDE!	<i>Get your students thinking and talking mathematically with kinesthetic activities!</i>	Faith Craig Conroe High School	230
3—5	<i>BETTER</i> student participation	<i>Total Participation Techniques: Allows for all students to demonstrate, at the same time, active participation and cognitive engagement. A Total Participation mindset can effectively take the focus off of teaching and place it on LEARNING.</i>	Lisa Schaller Patterson Elementary Devon Baker Bradley Elementary	221
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4—5	<i>BETTER</i> with ClassKick	<i>Come see how this app has changed our classrooms! When used to its potential, this paperless alternative provides each grading, immediate teacher/student feedback, virtual hand-raising, and even the ability to provide accommodations like OA. Regardless of grade level, this APP is APPLICABLE to you!</i>	Stephanie Bogenrieder & Erin Osterman Collins Intermediate	226
5	<i>BETTER</i> Collaboration with Your In-Class SpEd Support	<i>Explore how a strong collaborative relationship with your in class support and effective utilization of resources can create a growth environment for even the lowest and struggling learners.</i>	Erin Borghese Suchma Elementary	227
5—6	<i>BETTER</i> Financial Literacy— A Little At A Time	<i>Let's break down the Financial Literacy unit into sub-groups and introduce in stations throughout the year so students will gain a greater understanding. By the time we get to the financial literacy unit, they will have a strong background knowledge and the unit becomes more of a review.</i>	Brandi Avila	228

# Junior High Sessions— SESSION ONE

Level	Title	Description	Presenter(s)	Room
7—12	<i>BETTER</i> with Problem Solving	<i>Come learn how to use Numberless Word Problems and Graphics to help students develop problem solving skills. We will explore where Numberless Word Problems and Graphics fit in the lesson cycle, how to create a Numberless Word Problem and Graphic, and how to effectively implement the strategy in the classroom.</i>	Becky Pickett Conroe ISD Mathematics Dept	115
7—12	<i>BETTER</i> with Hattie Effect Size	<i>Come explore the Hattie Effect Size of a variety of classroom structures. Learn how to make changes in your classroom by implementing these proven research-based practices.</i>	Emily McCarter Conroe ISD Mathematics Dept	116
3—12	<i>BETTER</i> with ClassKick	<i>Come see how this app has changed our classrooms! When used to its potential, this paperless alternative provides each grading, immediate teacher/student feedback, virtual hand-raising, and even the ability to provide accommodations like OA. Regardless of grade level, this APP is APPLICABLE to you!</i>	Mallory Gillett & Brooklyn Johnson Wilkerson Intermediate	207
3—12	<i>BETTER</i> with Canvas	<i>Discover how using various Canvas tools such as Modules, Discussions, Assignments, and External Tools can streamline your Math classroom. Get a head start preparing your Canvas course for the upcoming year!</i>	Mindy Harding Instructional Technology	229
7—8	<i>BETTER</i> at tracking student growth	<i>Come learn Microsoft Excel functions, formulas, and formatting to make tracking student growth easier and manageable</i>	Rob James & Brittany Pratt Washington Jr High	243
7—12	<i>BETTER</i> review with Games	<i>Come experience easy ways of making review fun and meaningful for your students. Transform those boring review sheets into engaging activities.</i>	Jennifer High Hauke Alternative	242
7—8	<i>BETTER</i> with Movement & Dance	<i>M&amp;M (Math &amp; Movement): Come explore how movement and dancing in the classroom enhances student learning</i>	Angela Danney & Leanne Dupree McCullough Jr High	241

# Junior High Sessions— SESSION TWO

Level	Title	Description	Presenter(s)	Room
7—8	<i>BETTER</i> with Linear Representations	<i>Come learn how to build on student's prior knowledge through the unit to help them develop conceptual and procedural fluency with Linear Relationships. In this session we will discuss planning and sequencing representations during instruction, as well as instructional strategies that provide feedback.</i>	Becky Pickett Conroe ISD Mathematics Dept	115
Alg I, Alg II, Math Models	<i>BETTER</i> with Multiple Representations	<i>Come learn how to incorporate multiple representations into every unit of study in order to enable students to transfer their knowledge to new situations. We will also explore how to collect data on students' understanding of multiple representations to track student mastery of process standard 1D.</i>	Emily McCarter Conroe ISD Mathematics Dept	116
7—12	<i>BETTER</i> with Anchor Charts	<i>Come learn how to create anchor charts for different topics in order to enable students to become independent learners. We will look at the different types of anchor charts and their purpose and learn how to incorporate them in instruction.</i>	Shana Coker Conroe ISD Mathematics Dept	117
5—8	<i>BETTER</i> when we create common assessments as a PLC	<i>Creating meaningful grade level common assessments in your PLC is one of the most important things you can do. Learn a process that can help your common assessments have a rigor level that is close to STAAR, help teachers collect data to measure student knowledge and remediate effectively, and help each member of the PLC develop a deeper understanding of their content so they are more effective at delivering the TEKS specific content.</i>	Michelle Washington Grangerland Intermediate	219
7—12	<i>BETTER</i> with Creativity!	<i>Our students must utilize their own creativity to learn, rather than just consume information. Through engaging presentations, working in teams, hands on problem solving, digital notebooks, workshop days in class, and others, come move away from a traditional classroom setting, mirroring successful companies, including Google, Apple, Amazon, and Facebook.</i>	Carrie Presley TWHS—9th Grade Campus	239
7—8	<i>BETTER</i> with Games	<i>Incorporating games to review and promote content ownership.</i>	Rachel Shelton & Rachel Splawn McCullough Jr High	238
3—8	<i>BETTER</i> with Math Blogs and Interactive Notebooks	<i>How to get students math blogging and using their interactive notebook as a vital tool in your class.</i>	Allison Alford & Leda Davis Clark Intermediate	214
7—12	<i>BETTER</i> review with Games	<i>Come experience easy ways of making review fun and meaningful for your students. Transform those boring review sheets into engaging activities.</i>	Jennifer High Hauke Alternative	242

# Junior High Sessions— SESSION THREE

Level	Title	Description	Presenter(s)	Room
7— Algebra 1	<i>BETTER</i> with Tools to Know Cards	<i>In this session we will explore a variety of ways to use the Lead4Ward Tools to Know Cards in the classroom. Whether students are working in Whole Group, Small Group, Stations, or independently, the Tools to Know Cards are a great way to help students grow as mathematicians.</i>	Becky Pickett Conroe ISD Mathematics Dept	115
7—12	<i>BETTER</i> with Communication	<i>Come learn how to improve students' communication skills. Explore various communication strategies that help students talk and write about math, and learn how to implement them in different classroom structures.</i>	Emily McCarter Conroe ISD Mathematics Dept	116
3—12	<i>BETTER</i> take it OUTSIDE!	<i>Get your students thinking and talking mathematically with kinesthetic activities!</i>	Faith Craig Conroe High School	230
7—8	<i>BETTER</i> with Scaffolding for ELL Students	<i>Come see how to scaffold math instruction for ELL students, using anchor charts and math notebook, teaching academic vocabulary, reading and understanding written math problems, and increasing student language production. Leave with materials to use for the 1st unit.</i>	Jessica Engh & Katrina Santos Knox Jr High	235
7—8	<i>BETTER</i> Small Groups with Stations	<i>Come explore how to effectively utilize stations to create a supportive learning environment, build community, foster respect, and promote independence while providing differentiated instruction in small groups for all learners.</i>	Mia Thomas & Anthony Rondina Washington Jr High	243
7—12	<i>BETTER</i> with Creativity!	<i>Our students must utilize their own creativity to learn, rather than just consume information. Through engaging presentations, working in teams, hands on problem solving, digital notebooks, workshop days in class, and others, come move away from a traditional classroom setting, mirroring successful companies, including Google, Apple, Amazon, and Facebook.</i>	Carrie Presley TWHS—9th Grade Campus	239
7—8	<i>BETTER</i> student understanding	<i>Multiple representations with a techy twist. Use digital assignments {i.e. Google and Canvas} to have students generate multiple representations across the readiness standards. Target student understanding, create in Google, submit in Canvas, increase engagement!</i>	Angela Glazar Peet Jr High	234

# High School Sessions— SESSION ONE

Level	Title	Description	Presenter(s)	Room
7—12	<i>BETTER</i> with Hattie Effect Size	<i>Come explore the Hattie Effect Size of a variety of classroom structures. Learn how to make changes in your classroom by implementing these proven research-based practices.</i>	Emily McCarter Conroe ISD Mathematics Dept	116
Geom, PreCal, Calculus, Stats	<i>BETTER</i> with Multiple Representations	<i>Come learn how to incorporate multiple representations into every unit of study in order to enable students to transfer their knowledge to new situations. We will also explore how to collect data on students' understanding of multiple representations to track student mastery of process standard 1D.</i>	Shana Coker Conroe ISD Mathematics Dept	117
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3—12	<i>BETTER</i> with ClassKick	<i>Come see how this app has changed our classrooms! When used to its potential, this paperless alternative provides each grading, immediate teacher/student feedback, virtual hand-raising, and even the ability to provide accommodations like OA. Regardless of grade level, this APP is APPLICABLE to you!</i>	Mallory Gillett & Brooklyn Johnson Wilkerson Intermediate	207
3—12	<i>BETTER</i> with Canvas	<i>Discover how using various Canvas tools such as Modules, Discussions, Assignments, and External Tools can streamline your Math classroom. Get a head start preparing your Canvas course for the upcoming year!</i>	Mindy Harding Instructional Technology	229
9—12	<i>BETTER</i> with Differentiated Activities	<i>Creative Algebra 2 activities guaranteed to engage students. Activities include Clue, sticker race, speed dating, etc.</i>	Kristen Roberge & Darla Crowson The Woodlands High School	240
7—12	<i>BETTER</i> review with Games	<i>Come experience easy ways of making review fun and meaningful for your students. Transform those boring review sheets into engaging activities.</i>	Jennifer High Hauke Alternative	242

# High School Sessions— SESSION TWO

Level	Title	Description	Presenter(s)	Room
Alg I, Alg II, Math Models	<i>BETTER</i> with Multiple Representations	<i>Come learn how to incorporate multiple representations into every unit of study in order to enable students to transfer their knowledge to new situations. We will also explore how to collect data on students' understanding of multiple representations to track student mastery of process standard 1D.</i>	Emily McCarter Conroe ISD Mathematics Dept	116
7—12	<i>BETTER</i> with Anchor Charts	<i>Come learn how to create anchor charts for different topics in order to enable students to become independent learners. We will look at the different types of anchor charts and their purpose and learn how to incorporate them in instruction.</i>	Shana Coker Conroe ISD Mathematics Dept	117
AP Courses	<i>BETTER</i> use of Dashboard for AP Courses	<i>Please note that this session is during Session One AND Session TWO: Come prepared to share information from APSI and summer reading. Also explore and learn about resources available on Dashboard.</i>	AP Teachers Various Campuses	236
7—12	<i>BETTER</i> with Creativity!	<i>"Our students must utilize their own creativity to learn, rather than just consume information. Through engaging presentations, working in teams, hands on problem solving, digital notebooks, workshop days in class, and others, come move away from a traditional classroom setting, mirroring successful companies, including Google, Apple, Amazon, and Facebook.</i>	Carrie Presley TWHS—9th Grade Campus	239
7—12	<i>BETTER</i> review with Games	<i>Come experience easy ways of making review fun and meaningful for your students. Transform those boring review sheets into engaging activities.</i>	Jennifer High Hauke Alternative	242

# High School Sessions— SESSION THREE

Level	Title	Description	Presenter(s)	Room
7—12	<i>BETTER</i> with Communication	<i>Come learn how to improve students' communication skills. Explore various communication strategies that help students talk and write about math, and learn how to implement them in different classroom structures.</i>	Emily McCarter Conroe ISD Mathematics Dept	116
7—12	<i>BETTER</i> with Differentiated Instruction	<i>Come learn how to incorporate Lead4ward structures into your instruction to differentiate for your students. We will learn fun, low prep structures that impact student success.</i>	Shana Coker Conroe ISD Mathematics Dept	117
7— Algebra 1	<i>BETTER</i> with Tools to Know Cards	<i>In this session we will explore a variety of ways to use the Lead4Ward Tools to Know Cards in the classroom. Whether students are working in Whole Group, Small Group, Stations, or independently, the Tools to Know Cards are a great way to help students grow as mathematicians.</i>	Becky Pickett Conroe ISD Mathematics Dept	115
AP Courses	<i>BETTER</i> use of Dashboard for AP Courses	<i>Please note that this session is during Session One AND Session TWO: Come prepared to share information from APSI and summer reading. Also explore and learn about resources available on Dashboard.</i>	AP Teachers Various Campuses	236
7—12	<i>BETTER</i> with Creativity!	<i>Our students must utilize their own creativity to learn, rather than just consume information. Through engaging presentations, working in teams, hands on problem solving, digital notebooks, workshop days in class, and others, come move away from a traditional classroom setting, mirroring successful companies, including Google, Apple, Amazon, and Facebook.</i>	Carrie Presley TWHS—9th Grade Campus	239
3—12	<i>BETTER</i> take it OUTSIDE!	<i>Get your students thinking and talking mathematically with kinesthetic activities!</i>	Faith Craig Conroe High School	230















**Holly Berger**  
*Coordinator of Mathematics 7—12  
and Advance Math Initiatives*

**Tammy Zunker**  
*Coordinator of Mathematics K—6  
and Early Childhood*

**Lynsy Johnson**  
*Mathematics and Early Childhood Administrative Assistant*

**Teresa  
Carroll**  
*District Math  
Instructional  
Coach K—6*

**Tara  
Crowson**  
*District Math  
Instructional  
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**Brittany  
Koester**  
*District Math  
Instructional  
Coach K—6*

**Karesse  
Mitchell**  
*District Math  
Instructional  
Coach K—6*

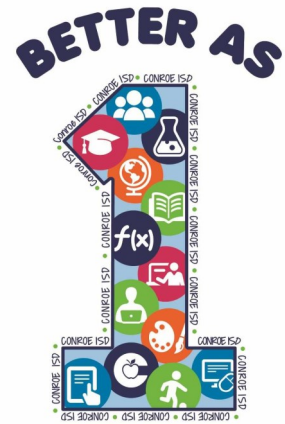
**Gretchen  
Montgomery**  
*District Math  
Instructional  
Coach K—6*

**Melody  
Runnels**  
*District Math  
Instructional  
Coach K—6*

**Shana  
Coker**  
*District Math  
Instructional  
Coach 7 – 12*

**Emily  
McCarter**  
*District Math  
Instructional  
Coach 7 – 12*

**Becky  
Pickett**  
*District Math  
Instructional  
Coach 7 – 12*



*Special thanks to the district instructional coaches  
for all of their hard work and countless hours served  
to help make this day a huge success!!*

*Thank you to all of our fabulous presenters!*

*We couldn't do this day without all of you!!!*

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# THANK YOU

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Many thanks to The Woodlands High School administration and staff for their cooperation and support in making this staff development day a huge success. We could have not done this without a great team effort!



**CONROE**  
INDEPENDENT  
SCHOOL DISTRICT

**Curriculum & Instruction**