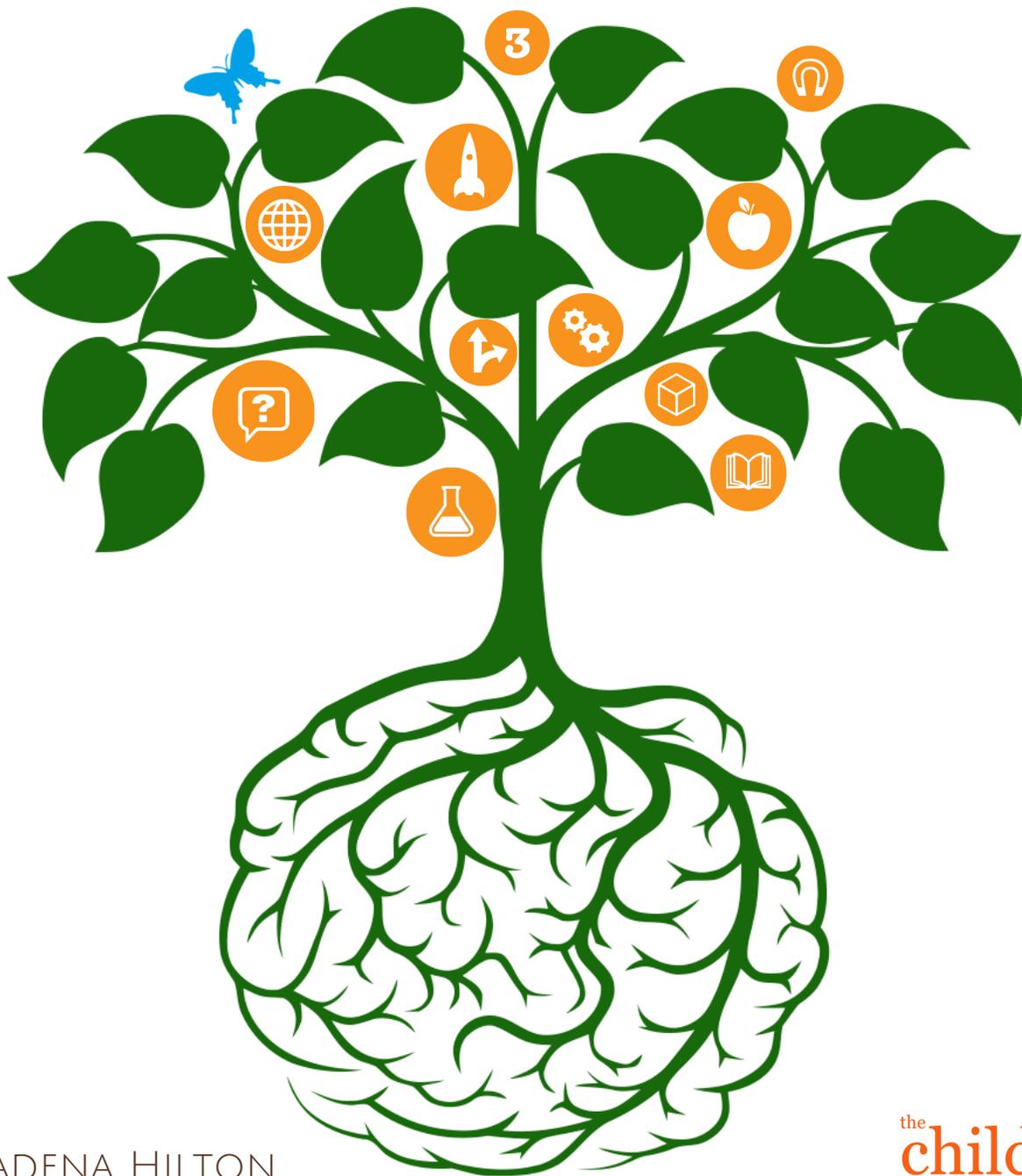


THE 9TH ANNUAL EARLY CHILDHOOD STEM CONFERENCE

THE ROOTS OF STEM

FEBRUARY 22 & 23, 2019



THE PASADENA HILTON
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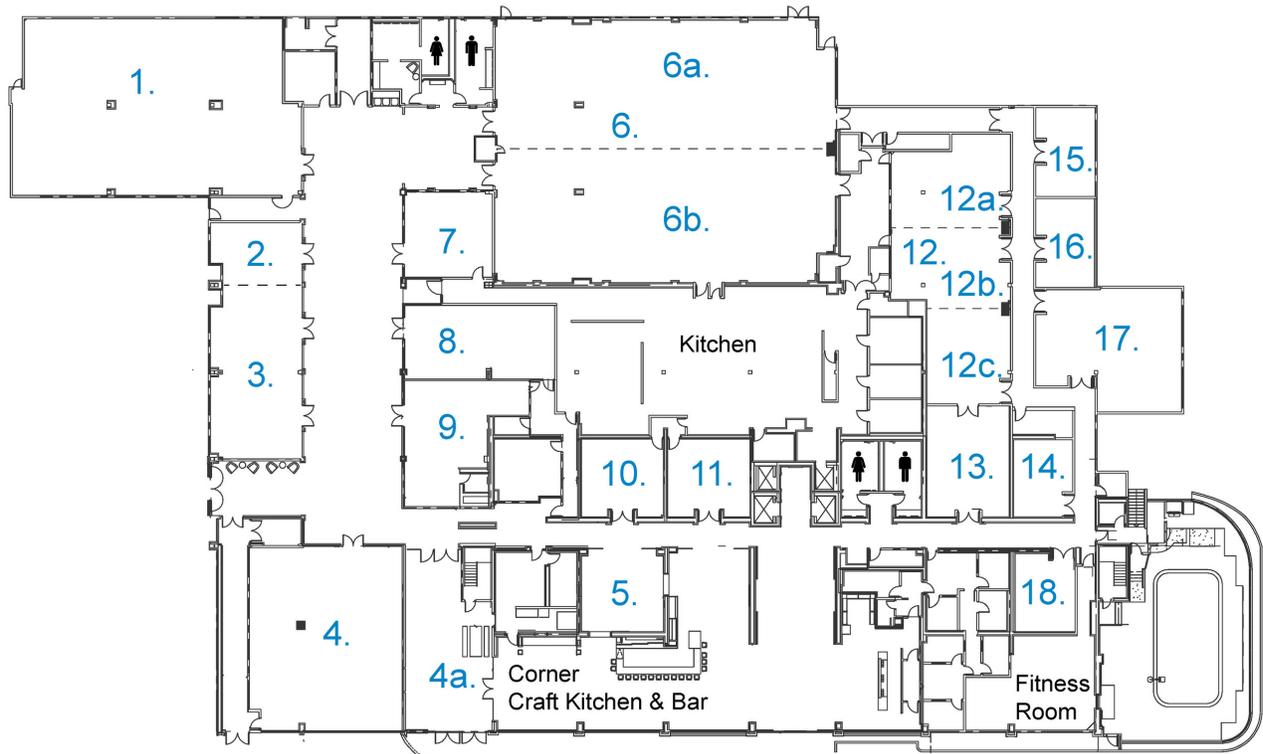
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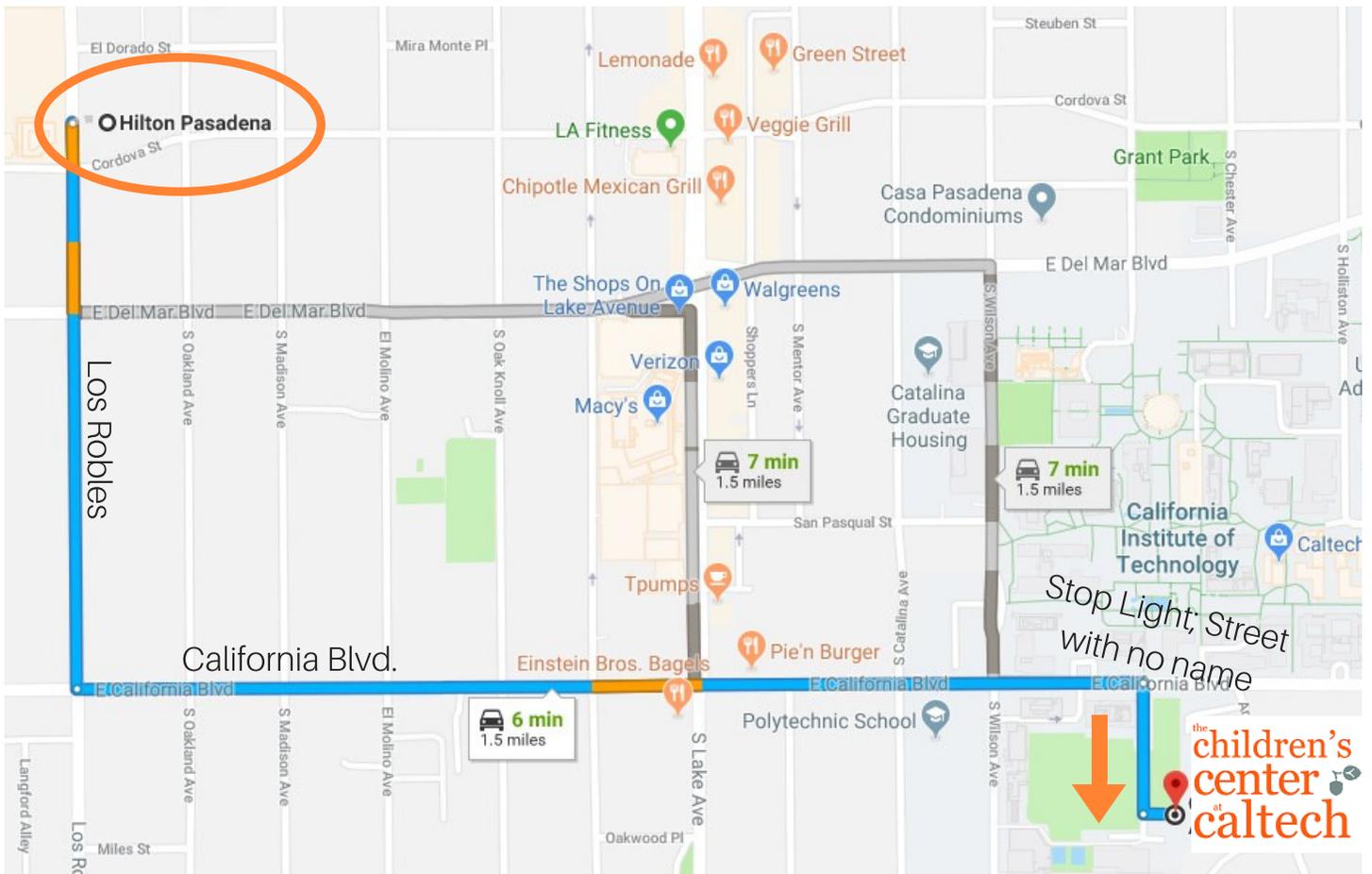


HILTON PASADENA - FIRST FLOOR



- | | |
|---------------------------------|---------------------|
| 1. CALIFORNIA BALLROOM | 12. PACIFIC ROOM |
| 2. PASADENA II | 12a. PACIFIC ROOM A |
| 3. PASADENA I | 12b. PACIFIC ROOM B |
| 4. SAN GABRIEL | 12c. PACIFIC ROOM C |
| 4a. PATIO | 13. SAN DIEGO |
| 5. MEDIA LOUNGE | 14. SANTA MONICA |
| 6. INTERNATIONAL BALLROOM | 15. SACRAMENTO |
| 6a. INTERNATIONAL BALLROOM EAST | 16. SAN JOSE |
| 6b. INTERNATIONAL BALLROOM WEST | 17. MONTEREY |
| 7. SIERRA MADRE | 18. DEL MAR |
| 8. SAN MARINO | |
| 9. SANTA CLARA | |
| 10. SANTA BARBARA | |
| 11. SANTA ROSA | |

DIRECTIONS FROM THE HILTON HOTEL TO THE CHILDREN'S CENTER AT CALTECH



Transportation is not provided. Shuttle service from the Hilton Pasadena is available, but must be reserved ahead of time and is limited. Please reserve at the hotel front desk.

Alternatively, it is a 30 minute walk from the hotel. Other options include Uber and Lyft. Please plan accordingly as the tour will begin promptly at 1:30pm.

To get to The Children's Center at Caltech from the Hilton Pasadena:

- 1) Head south on Los Robles from the Hotel.
- 2) Turn right onto California Blvd. and head east
- 3) We are located on an undisclosed street off California between Wilson and Arden.
- 4) You will turn right (south) onto the unmarked street at the stoplight located in front of the Caltech sign, the large rust colored Cahill building, and tennis courts. Look for our CCC signage on the corner.
- 5) Follow the tennis courts to the end and there we are! You may park in the Children's Center lot located directly in front of our center.



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WELCOME

The Future Begins Here!

To prepare today's children for the challenges of tomorrow, it is increasingly important that they have developmentally appropriate, inclusive and culturally sensitive approaches in science, technology, engineering and mathematics (STEM). Yet meeting the needs of an economically, ethnically and socially diverse student population – especially for the youngest of learners – is challenging. And so, the Early Childhood Science, Technology, Engineering and Mathematics (ECSTEM) conference was born.

ECSTEM is a platform for early childhood educators, administrators, distinguished researchers, community leaders, politicians, business partners, and practitioners from all around the nation to share their expertise and best practices. We want to tackle the challenges facing early childhood educators regarding STEM curriculum and instruction; to address the implications for early childhood pedagogy; and ultimately, to sustain a national movement focusing on STEM education for children ages birth to eight. To succeed, we need you: trusted educators, practitioners, researchers, and policy leaders who understand these challenges and are motivated to act on behalf of our children.

This year, as in the past, our keynote speakers, panelists, and presenters range from distinguished researchers, to expert educators, to community leaders, that aim to inform and inspire early childhood education professionals and to provide an opportunity for all stakeholders to network.

We hope you enjoy your experience and grow from your participation in the ECSTEM conference. We look forward to working together to promote and increase awareness of the importance of STEM education in early childhood.

Sincerely,
The ECSTEM Committee

Susan Wood, M.A., The Children's Center at Caltech - Executive Director

Teresa De La Torre, Ed.S., MSTC The Children's Center at Caltech - Interim Associate Director

Monica Dolan, M.A. The Children's Center at Caltech - STEM Curriculum Coordinator

Carol Capito, It's in the Details Event Planning and Outdoor Classroom Project Consultant and Trainer -
ECSTEM Conference Coordinator

Seadra Chagolla, M.B.A., The Children's Center at Caltech - Office Manager

Tiffany Chou, B.A., The Children's Center at Caltech - Accounts Manager



the children's center at caltech

Since 1972, The Children's Center at Caltech (CCC) has grown to become a national leader in STEM Early Education serving children ages six months through five years. The CCC utilizes a constructivist, play based approach to plan, develop, and implement inquiry rich curriculum as seen through the lens of STEM. As a way of reaching out to our community, the CCC conducts professional development workshops and shares research in STEM-based Early Childhood education.



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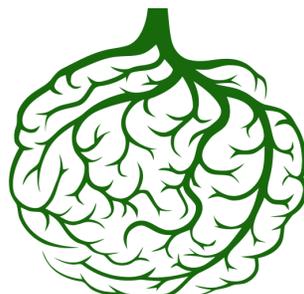
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2019 ECSTEM CONFERENCE SCHEDULE

Friday, February 22nd

Location

7:00 a.m. – 11:00 a.m.	Registration & Check In	Foyer
8:00 a.m. – 10:00 a.m.	Opening Address and Keynote Speaker	International Ballroom
10:00 a.m. – 10:15 a.m.	Break/Hall Of Inquiry	California Ballroom
10:15 a.m. – 11:45 a.m.	Session I Workshops	Breakout Rooms
11:45 a.m. – 12:00 p.m.	Break/Hall Of Inquiry	California Ballroom
12:00 p.m. – 1:00 p.m.	Lunch/Raffle	International Ballroom
1:15 p.m. – 3:30 p.m.	Tour – The Children’s Center at Caltech	The Children’s Center at Caltech
1:15 p.m. – 1:30 p.m.	Break/Hall Of Inquiry	California Ballroom
1:30 p.m. – 3:00 p.m.	Session II Workshops	Breakout Rooms
3:00 p.m. – 3:15 p.m.	Break/Hall Of Inquiry	California Ballroom
3:15 p.m. – 4:45 p.m.	Session III Workshops	Breakout Rooms
4:45 p.m.	Workshops conclude	

Saturday, February 23rd

Location

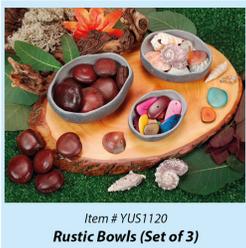
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GENERAL INFORMATION

REGISTRATION

Registration is required for all attendees. The name badge issued with the paid registration is required for admission to all conference activities. Registration does not include tours. All attendees, presenters, and exhibitors may pick up their registration materials at the Registration & Check In booths.

Additional Opportunities:

You may purchase tickets or sign up for any of the following events at registration, if available (space is limited):

Onsite Registration fees are as follows:

2-days (Friday & Saturday) \$325

1-day (Friday or Saturday) \$225

2-day Student \$175

1-day Student \$100

Group of 10+ 20% off

Tours of The Children's Center at Caltech \$30 per tour

Payment Options:

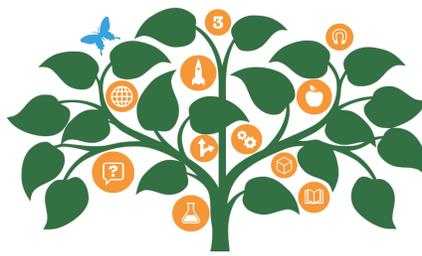
Please make checks payable to The Children's Center at Caltech. We also accept cash, VISA, MasterCard, American Express, and Discover.

*All full day registrations allow admission to the workshops, exhibitor exploration, opening/keynote address, and includes lunch.

REFUNDS

We do not offer refunds. Participants may send an alternate in their place if they are unable to attend.





PARKING

The Hilton Pasadena parking rates are as follows: Self-parking is \$21. Valet parking \$23.

Parking is paid upon departure.

If you are staying at the Hilton Pasadena, the front desk will ask at registration if you are parking a vehicle on the property, and determine if it is valet or self-parking. The charge will be automatically added to your room folios, and charges may be paid upon checkout.

RECORDING OF PRESENTATIONS

There will not be professionally-made video or audio tapes of conference presentations. If you wish to tape a presentation, you must first obtain the speaker's permission. By attending this event, you agree to be photographed and/or filmed and give permission to use your likeness in promotional and/or marketing materials.

PROGRAM CHANGES

Unexpected, last-minute changes to our program are inevitable. Signage of changes will be posted by the door of appropriate rooms.



ENDORSEMENT DISCLAIMER

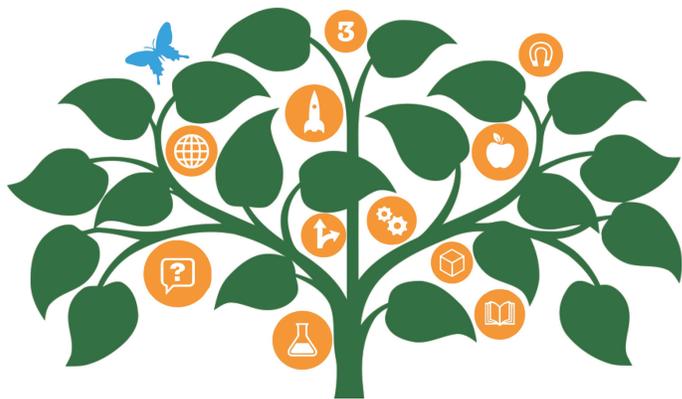
ECSTEM is pleased to present a wide variety of learning and informational opportunities available at this conference. ECSTEM does not, however, endorse products or services promoted in any of the sessions or exhibits. Opinions expressed are those of the presenters and do not necessarily reflect the position of ECSTEM. ECSTEM shall not be responsible for loss or injury from the purchase or use of goods and services offered at the conference.

SALES

With the exception of onsite registration for the conference, no monetary exchange of any type may occur before, during, or after a presentation in any of the workshop rooms or anywhere in the hotel. Sales may take place only in booths located in the Hall of Inquiry.

CONFERENCE EVALUATION

We hope you will share with us your feedback and comments about this year's conference. The workshop evaluation sheet will be handed out at the beginning of every workshop and collected as attendees leave.



KEYNOTE SPEAKER



LISA REGALLA, PH.D.
DEPUTY DIRECTOR FOR THE CENTER
FOR CHILDHOOD CREATIVITY
BAY AREA DISCOVERY MUSEUM

Lisa Regalla, PhD is the Deputy Director for the Center for Childhood Creativity at the Bay Area Discovery Museum. She leads a variety of STEM initiatives such as the Fab Lab and mobile engineering lab, while leveraging the Center for Childhood Creativity's research base to support the creative development of children, particularly in under-resourced communities. As the former Deputy Director of Maker Ed, Lisa developed partnerships with educators, organizations, and researchers to build and support a growing network, committed to broadening participation in making as a form of creative learning. Prior to Maker Ed, Lisa worked at Twin Cities Public Television developing STEM content that was presented on television, in person, in print, and on the web as part of the Emmy-Award winning series, SciGirls and DragonflyTV: Nano. As the manager of several national outreach programs throughout her career, she has conducted extensive professional development workshops in gender equity and facilitating creative STEM learning environments. In 2011, she received a Daytime Emmy Award for her work on SciGirls and the Rising Star Award from the Women Chemists Committee of the American Chemical Society for her work to promote gender equity in STEM. Lisa received both a BS in Chemistry and a BA in Theater from Lehigh University before earning her PhD in Chemistry from the University of Florida.



PANEL OF EXPERTS

This year's panel is intentionally comprised of experienced educators working directly with children, implementing STEM concepts into the classroom on a daily basis. Each panelist has a unique background and brings a wealth of knowledge and experience to our discussion. The communities they serve cover a wide range of diversity, bringing in added layers to our conversation to inspire and engage us in a practical, inclusive, and meaningful exploration of what it really looks like to plant the roots of STEM in our own environments.



CHRISTINE RICHARD, M.A.

My name is Christine Richard and I have been actively involved in the field of Early Childhood Education for nearly 30 years. I earned my BA in ECE and an MA in Educational Psychology from California State Northridge and I am currently adjunct faculty at Santa Monica College teaching Curriculum Development. I have been part of the California Mentor Program for over 10 years, a Technical Assistant for First 5 Monterey County for over 7 years, national and international presenter for over 20 years. At the Growing Place during my 27 years of employment I have worn several hats such as classroom teacher, afternoon coordinator and Atelierista. I am passionate about human development and how educational systems support this process for teachers, children and parents.



DEBORAH ROBINSON, M.A.

My name is Deborah Robinson, and I am employed with Drew Child Development Corporation, a non-profit agency located in the Watts-Willowbrook area of Los Angeles. I am the lead Pre-K teacher at the Harriette Shields Child Development Center, and I have 24 children in my classroom. I received my Associate of Arts degree in Child Development from Compton Community College, my Bachelor of Arts degree in Human and Child Development from Cal State Long Beach, and my Master of Arts degree in Liberal studies with an emphasis in Human and Child Development from Cal State Long Beach.

I have obtained sixty hours of Science, Technology, Engineering, and Math training from Susan Wood and her team at The Children's Center at Caltech to incorporate STEM with the California Preschool Learning Foundations and Frameworks. I have also participated in the Desired Results Developmental Profile 2015 field study. I have worked in Early Education for over thirty five years and I enjoy immensely facilitating the social-emotional, language and literacy, cognitive, and physical development of all children.



MONICA DOLAN, M.A.

Monica Dolan is the STEM Curriculum Coordinator at the Children's Center at Caltech. She has a Master's Degree from Pacific Oaks College. Monica has worked as a teacher in early childhood for fifteen years and works with local colleges presenting workshops on how to implement STEM activities and environments within a classroom. At the Children's Center she works as a liaison between the administration and the teaching staff to ensure the curriculum plans are consistent with the center's conceptual STEM based approach. She also works closely with the teachers to document the children's work and review the data in order to suggest possibilities of direction that the teachers and children can venture together. She maintains and runs the outdoor STEM lab, making sure that materials and activities are relevant, organized and interesting to the children, daily. Monica also looks forward to teaching, alongside Susan Wood, the STEAM course at Pacific Oaks College this spring.



PUA AQUINO, B.A.

Pua Aquino is the Preschool Teacher/Native Hawaiian Curriculum Specialist for Partners in Development Foudation's K Pa'alana Homeless Family Education Program. She has over 14 years of early childhood experience - 4 years teaching at a Hawaiian Immersion preschool were she developed a love for teaching young children about Hawaiian culture and 10 years teaching and developing curriculum for homeless families with young children. In 2015 she authored a children's book titled "My Kalo Has Lau, Big and Green" that teaches children about the Hawaiian tradition of making poi from kalo, reinforces the Hawaiian language and explores STEM concepts. Pua was born and raised in Wai'anae, O'ahu and currently lives in Ma'ilili with her two children.

OUR MODERATOR



TIFFANY ALVA, B.A.

Tiffany Alva is the Director of Early Learning with First 5 Orange County and is responsible for the implementation of school readiness, early literacy and math programs with a special focus on using the Early Development Index (EDI), a validated population-based measure of early childhood development and school readiness, data to foster better outcomes for young children. Prior to joining First 5, Orange County, Tiffany's experience over the past 20 years included serving as a classroom instructor, overseeing classroom teachers and providing developmentally appropriate activities for children. After 6 years in the classroom Tiffany chose to work in an administrative role as a director for a nonprofit organization in Los Angeles County. Tiffany's passion lead her to Orange County where she worked for THINK Together as the Senior Director of Early Learning, where she acquired extensive knowledge and expertise in program development and management. She co-chaired the annual Early Childhood Science Technology Engineering and Math (ECSTEM) Conference for four years and serves on leadership committees for both the national and state associations for the education of young children. Tiffany received a Bachelor of Science in Human Services from the University of Phoenix.



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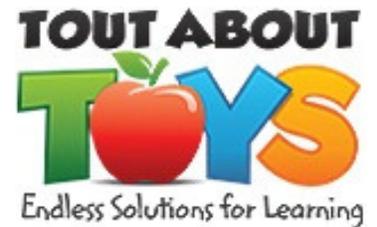
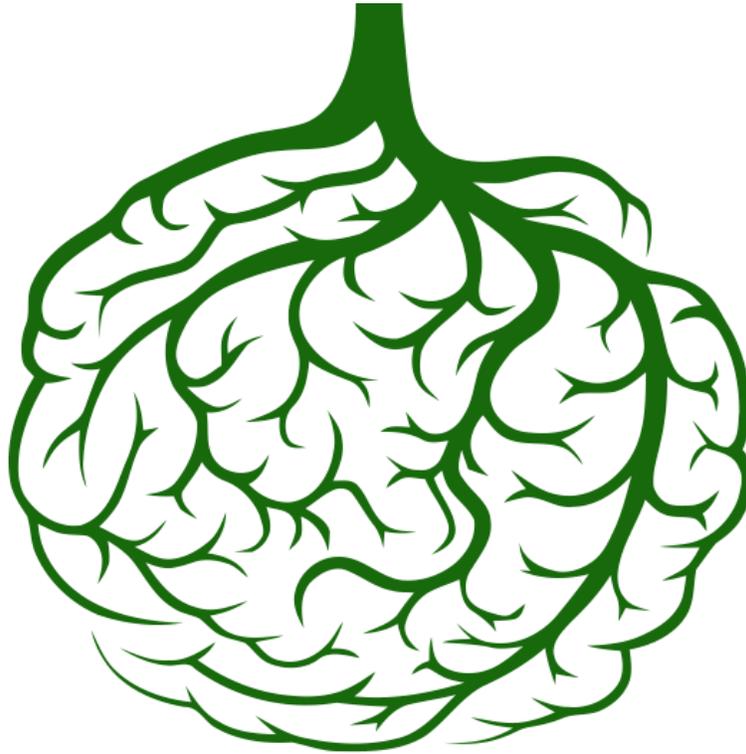


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EXHIBITORS



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ECSTEM 2019 Workshop Schedule

To support your conference experience, workshop sessions have been categorized by topic area (Science, Technology, Engineering and Mathematics). Additionally, the target audience has also been specified for each workshop. Conference attendees may follow one topic area for an in-depth, content-rich focus on a particular subject matter, or may pick and choose among topics to sample the full complement of conference offerings. The following are the listing of session tracks and their abbreviations.

CONTENT	TARGET AUDIENCE
S – Science	I – Infants K – Kindergarten
T – Technology	T – Toddlers F – First Grade
E – Engineering	P – Preschool S – Second Grade
M – Mathematics	TK – Transitional Kindergarten

Friday, February 22nd, 2019

10:15am – 11:45am

“Engineering with Ease”

Experience design challenges through the lens of a young child to learn how children engineer.

Presenter: Chantal Balesdent, Ph.D.

Engineering is Elementary, EiE

Target Audience: **P TK K**

Content: **E**

Room: San Gabriel

“Variation of Species: Examining Similarities and Differences through Science Exploration”

Children are innately aware of differences and similarities in their surroundings. How can we support and develop this understanding through science exploration? See how one toddler classroom took on variation through exploration of various species of flowers, plants, animals and eventually their own bodies (eye color, shades of skin color).

Presenters: Melissa Samples, B.A. and Ingrid Ellegaard-Hansen, B.A.

The Children’s Center at Caltech

Target Audience: **T**

Content: **S**

Room: Pacific A

“Technology through the Lens of STEM”

How can we introduce and use technology wisely and effectively in early childhood programs? Join us as we take a look at how one preschool classroom constructed knowledge about techniques, processes and machines while exploring the concepts of technology. Teachers will share their observation and discuss opportunities and challenges.

Presenters: Teresa De La Torre, M.A. and Annie Tran, B.A.

The Children’s Center at Caltech

Target Audience: **P TK K**

Content: **S T E M**

Room: Pacific B

“Turning the Wheels of Inquiry”

What is a wheel? Wonder and learning sparked from enchantment with this iconic invention. Physics, design-thinking and action research permeate as children journey to understand the power of the wheel.

Presenters: Jennifer Kesselring, M.A., and Jennifer Norviel, B.A.

Riverfield Country Day School

Target Audience: **I T P**

Content: **S T E M**

Room: Pacific C

“No Windows, No Doors”

Join us as we discuss how to make science, technology, engineering and mathematics available to young children through an outdoor STEM laboratory. We will show you an extensive look at our lab at The Children’s Center at Caltech which includes books, materials and fresh ideas for STEM inspiration. Hear the history of how we developed this unique and exploratory space for young children and be inspired by our journey to create your own STEM laboratory!

Presenter: Monica Dolan, M.A.

The Children’s Center at Caltech

Target Audience: **P T K K**

Content: **S T E M**

Room: Pasadena 1 & 2

“Scale and Structure, Balance and Stability”

Please join us as we dive into scale and structure with toddler. We start from the basics and venture into how we introduced balance and stability. This workshop will provide you with age appropriate ideas for toddlers.

Presenters: Amanda Lawson, B.A., and Marlene Garcia, B.A.

The Children’s Center at Caltech

Target Audience: **T**

Content: **E M**

Room: Monterey

“Light, Dark and Shadows: The Refrigerator Light Stays on When the Door is Shut”

Play looks like useless behavior, but the young explore the world and they use all possible counterfactuals and don't worry about what really works. Participants will explore materials and will be challenged to think like toddlers and come up with three new ideas.

Presenters: Linda Wilbur and Erica Contreras

East Los Angeles College

Target Audience: **I T**

Content: **S T**

Room: Santa Clara

“Symbiotic Relationships”

This presentation will show how children gained an understanding of the mutual relationship between them and their environment. Take a look how children learned about habitats, insects and plants through all aspects of STEM.

Presenters: Janet Nunez, B.A. and Jacky Romero, B.A.

The Children’s Center at Caltech

Target Audience: **T P**

Content: **S T E M**

Room: San Diego

“Garden Engineers”

Creating and caring for a garden provides a meaningful context for introducing, teaching, modeling, and practicing the engineering process. This workshop will share practical strategies to integrate engineering and gardening.

Presenters: Raissa Lee, B.A., and Mike Lee, B.S.

ABC Mom Learning Center & Childcare

Target Audience: **T P T K K F S**

Content: **S T E M**

Room: Santa Barbara

“Math Mentality – Playing and Exploring Math Fundamentals”

An Interactive workshop where participants explore mathematical thinking through loose parts materials. No experience with math required!

Presenter: Dewi Ochoa, M.A.

Westside Neighborhood School

Target Audience: **T P T K**

Content: **S E M**

Room: Santa Rosa

“Engineering: So Much More than Building”

This workshop is designed to help teachers who want to move from having a block center in their classroom to having an engineering design studio.

Presenters: Rebecca Sierra, B.A., and Jamie Patrick, M.A.

Stratford School

Target Audience: **P T K K**

Content: **S T E M**

Room: Sacramento

1:30pm – 3:00pm

“Sing, Play, Bounce and Wiggle: Creative and Improvised Patterns by Exploring Math in Music.”

The workshop will awaken, develop, and refine innate musicality through STEM based music and movement activities for early childhood years. The session will encourage to build strong foundation for future development of language, social-emotional, and motor skills for young children by introducing ear-training, singing games, solfege, finger plays, song-tales, echo songs, folk dance, playing patterns on non-pitched percussion instruments. And pitched barred instruments.

Presenter: Dayita Datta, B.A.

The Children’s Center at Caltech

Target Audience: **I T P TK**

Content: **S T E M**

Room: San Gabriel

“Developing 21st Century Competencies through Early Learning Spaces: Integrating Technology in the Classroom”

Discover simple and budget friendly ideas to transform classroom environments into 21st century/3D spaces using simple tools and technology. This workshop will focus on inclusive learning for children ages 2- 7.

Presenter: Juliana Romo, B.A.

THINK Together

Target Audience: **T P TK K F S**

Content: **T**

Room: Pacific A

“Sewing, Weaving and Visual Patterning”

Sewing, stitching and weaving can be done with preschoolers! Participants will understand the process of introducing basic concepts of sewing to young children and how it relates to literacy and math. With activities from looms, hand stitching, quilts, pillows and more. Teachers will be inspired with ways to bring it back to their classroom.

Presenters: Cindy Antuna, B.A., and Daniela Perez

The Children’s Center at Caltech

Target Audience: **P TK**

Content: **S T E M**

Room: Pacific B

“STEAM in Nature”

STEAM In Nature participants will explore learning with nature to build Social Emotional Learning using science, technology, art and math to explore and understand the ability to solve problems using a variety of approaches to working with others.

Presenters: Yolanda Carlos, M.Ed., and Christy Waterman, M.A.

Pacific Oaks College

Target Audience: **P**

Content: **S T E M**

Room: Pacific C

“Student Made Models: The Backbone of Meaningful Student-Centered Inquiry”

Learn about the power of student-made models to balance direct instruction and student directed inquiry during STEM learning. This session will also introduce Cubelets Robot Blocks.

Presenter: Emily Eissenberg, M.A.

Modular Robotics

Target Audience: **P TK K F S**

Content: **S T E M**

Room: Pasadena 1 & 2

“Light and Shadows: Taking Play into Science Inquiry and Engineering Design with Hands-On Activities and Conversation”

Learn about the science of light—how we experience it and how we use it—and plan ways to explore and engineer with light with young children, including documenting experiences and understandings.

Presenter: Peggy Ashbrook, B.A.

National Science Teachers Association

Target Audience: **T P TK K F S**

Content: **S E**

Room: Monterey

“The Young Artist as Scientist: What can Leonardo da Vinci Teach Us?”

This presentation will demonstrate a hands-on approach to connect the arts (creative movement, visual arts and music) and STEM. A Renaissance in ECE will take place just as it did in Leonardo's Day.

Presenter: Mary Jo Pollman, Ph.D

Metropolitan State University of Denver

Target Audience: **P TK K F S**

Content: **S T E M**

Room: San Marino

“Inquiry, Innovation and Joyful Problem Solving”

Discover how inquiry based small groups can support young children's mathematical problem solving skills.

Presenters: Kelly Massey, M.A., and Losmeiya Huang, M.A.

Westside Neighborhood School

Target Audience: **P TK K**

Content: **S M**

Room: Santa Clara

“Setting Up Your Environment for Success: Meaningful Experiences”

Attendees will explore innovative ways in creating meaningful environments that offers children the opportunity to be critical thinkers, problem solve, create, explore and develop. A meaningful environment that gives a child inspiration!

Presenter: Joshua Alvarez, B.A.

Kaplan Early Learning

Target Audience: **I T P TK K F S**

Content: **S T E M**

Room: San Diego

“The Perfect Recipe: Literacy, STEM and Social Emotional Learning”

This hands on workshop will start with inspiration from literature while designing and implementing STEM activities. Simultaneously the focus will be on developing socially emotional competent, well rounded 21st century students.

Presenter: Jessica Peters, M.A.

Lakeshore Learning Materials

Target Audience: **P TK K**

Content: **S T E M**

Room: Santa Barbara

“How Drama in Education can be used to Promote Children’s STEM Learning in Early Childhood: An Experimental Study”

Presenter will play a film to show how Drama in Education (D.I.E.) can be used to promote STEM learning in children. Then, presenter will design task stations to invite participants to do the STEM explorations.

Presenter: HsiuHui Lai, B.S.

National Pingtung University, Department of Early Childhood Education

Target Audience: **P TK K F**

Content: **S T E M**

Room: Santa Rosa

“Movement Based Math”

Movement and play are important, but disappearing from the curriculum. In this hands-on workshop we will experience small group and center-time activities that foster math development through movement and play.

Presenter: Kaleigh Donnelly, M.Ed.

Meeting Street Academy

Target Audience: **P TK K**

Content: **M**

Room: Sacramento

3:15pm – 4:45pm

“Digital Landscapes: Embracing the Dance between the Digital and the Real”

Respecting the rights of children and teachers to navigate and create with relevant digital technologies is no longer a question of if, it is an open adventure in how.

Presenters: Jennifer Kesselring, M.A., and Jennifer Norviel, B.A.

Riverfield Country Day School

Target Audience: **I T P**

Content: **S T E M**

Room: San Gabriel

“Using our Pedagogical Lens to Create a STEM focus inside and outside the classroom”

This workshop will discuss how UVM's Campus Children's School has come to define STEM and will support others to create a STEM-based program that reflects their values and practice. There is no one definition of STEM for early childhood, and each school will have to define STEM in the context of their practice.

Presenters: Dee Smith, M.S., and Simon Jorgenson, Ph.D

University of Vermont

Target Audience: **I T P**

Content: **S T E M**

Room: Pacific A

“Baby STEM: Integrated STEM Education in Early Childhood Education”

Participants will engage in model integrated STEM lesson for young children and will discuss ways to integrate STEM in the early childhood learning opportunities. All areas of STEM will be included in the model lesson.

Presenters: Cherry Steffen, Ph.D., Lisa Douglass, Ph.D., and David Pownell, Ed.D

Washburn University

Target Audience: **T P T K K F S**

Content: **S T E M**

Room: Pacific B

“Crosscutting Concepts: Fostering Critical Thinking and Exploration with Infants, Toddlers and Preschoolers”

Participants will have the opportunity to engage in hands-on, minds-on science learning to better understand how they can support infants, toddlers and preschoolers in their understanding of crosscutting concepts.

Presenters: Daryl Greenfield, Ph.D. and Elica Sharifina, B.A.

University of Miami

Target Audience: **I T P**

Content: **S T E M**

Room: Pacific C

“Do You Sense a Pattern Here?”

Patterns exist far beyond sorting and classifying objects by color or shape. Experience how patterns exist in music, movement, smell, touch, the natural world, and in relationships. Come and explore!

Presenters: Carrie Rothstein Fisch, Ph.D., and Katie Leon, M.A.

California State University, Northridge

Target Audience: **I T P T K**

Content: **S T E M**

Room: Pasadena 1 & 2

“Simple Tech, Extraordinary Creativity”

Using everyday technology, the children reveal what they know, connect ideas and engage creatively rather than passively consuming information. This hands on workshop will invite you to do the same!

Presenters: Cindy Nelsen and Amy Bice

The New School West

Target Audience: **P TK K F S**

Content: **S T E M**

Room: Monterey

“How to Engineer with Young Learners”

If you have tried engineering, but want some practical tips, this workshop will focus on creating "just right" challenges that engage and inspire.

Presenter: Chantal Balesdent, Ph.D.

Engineering is Elementary, EiE

Target Audience: **P TK K**

Content: **S T E M**

Room: San Marino

“Living Connection: A Practical Guide to Keeping Live Insects in the Classroom”

Always wanted to keep live critters in your classroom, but weren't sure how? Join us in a hands-on workshop with a former Insect Zookeeper and learn how to keep your bugs healthy, happy, and secure!

Presenter: Kristine Feleo Smith, B.A.

The Children's Museum at La Habra

Target Audience: **T P TK K**

Content: **S**

Room: Santa Clara

“Inspiring STEM Projects with Magical, Mindful Storytelling using Felts, Puppets, Props and Content Rich Literature”

Attendees will experience the magic of mindful, inspiring storytelling. A variety of STEM focused stories, books, rhymes and songs will be presented along with the key elements of a captivating story - rich literature enhanced by felts, puppets and props of any kind. Puppets and props come alive with facial expressions, voice inflections, body movements and tone variance. All of it is heightened by the story teller's emotional involvement! Most of all a great story needs to have a wow moment: an event, revelation, embellishment, or climax that stops the show and feels magical. Attendees will be excited to start using these techniques immediately!

Presenter: Sundrina Kofod

Artfelt Puppets, Pieces & Props

Target Audience: **I T P TK K F**

Content: **S T E M**

Room: San Diego

“Uncovering STEM through Play”

We'll look at how STEM domains overlap, how children best experience STEM early on, and ways to foster a deeper level of thinking in children's play.

Presenter: Diane Spahn, B.A.

Kodo Kids

Target Audience: **P TK**

Content: **S T E M**

Room: Santa Barbara

“Promoting Feuds with Math Talks”

When should Early Scholars engage in Math Practice 3? Let's explore how to facilitate ALL students with number sense activities designed to get students justifying and explaining their thinking.

Presenter: Gabriel Ward, B.A.

Hacienda La Puente Unified School District

Target Audience: **P TK K F**

Content: **M**

Room: Santa Rosa

Saturday, February 23rd, 2019

10:15am – 11:45am

Movie Screening: “No Small Matter”

No Small Matter is the first feature documentary to explore the most overlooked, underestimated, and powerful force for good in America today: early childhood education. Through poignant stories and surprising humor, the film lays out the overwhelming evidence for the importance of the first five years, and reveals how our failure to act on that evidence has resulted in an everyday crisis for American families, and a slow-motion catastrophe for the country. Visit www.nosmallmatter.com or <https://youtu.be/Shm-KRh4LFg> to watch the trailer and learn more!

Presented by: The Kindling Group

Screening Sponsored by the UCLA Department of Education

Target Audience: **I T P TK K F S**

Content: **S T E M**

Room: San Gabriel

“It's Never Math Time. It's Always Math Time.”

Discover how to introduce and practice math concepts in a child's environment all day. Learn how to integrate activities and instructional support to enhance early math learning and improve retention.

Presenter: Angela Russ-Ayon, B.S.

Russ InVision/ AbridgeClub.com

Target Audience: **T P TK**

Content: **M**

Room: Pacific A

“STEM Play Experiences in Preschool”

Learn about the process of integrating STEM Play time in Preschool. Using a basic engineering design model and design thinking structure, students develop skills to later explore real-world problems.

Presenters: Diana Saldana, M.Ed., and Veronica Morales, M.Ed.

American School Foundation of Monterey

Target Audience: **P**

Content: **S T E M**

Room: Pacific B

“Ideate, Create and Reflect – The Essence of STEM Exploration in Preschool”

Participants will explore ways to help preschoolers question, reflect and make new discoveries in topics of STEM curricula.

Presenter: Jayanti Tambe Roy, M.A., and Shelley Gonzales, M.A.

De Anza College/ ICRO Stanford Programs

Target Audience: **P**

Content: **S T E M**

Room: Pacific C

“No Windows, No Doors”

Join us as we discuss how to make science, technology, engineering and mathematics available to young children through an outdoor STEM laboratory. We will show you an extensive look at our lab at The Children’s Center at Caltech which includes books, materials and fresh ideas for STEM inspiration. Hear the history of how we developed this unique and exploratory space for young children and be inspired by our journey to create your own STEM laboratory!

Presenter: Monica Dolan, M.A.

The Children’s Center at Caltech

Target Audience: **P TK K**

Content: **S T E M**

Room: Pasadena 1 & 2

“The Power of Collaboration”

Learn about STEM ECE Professional Learning Community supporting educator and children's learning. Participants will engage in core experiential PLC learning and dialogue about the potential of PLC's to influence practice.

Presenters: Nicole Rudman, M.A., and Lori Ryan, Ph.D.

St. Vrain Valley School District

Target Audience: **I T P TK K F S**

Content: **S T E M**

Room: Monterey

“Let’s Talk, Read and Sing about STEM!”

Too Small to Fail and Landscape Structures will present free bilingual (English/Spanish) tools and resources to help parents and early educators share literacy-rich conversations and activities around early STEM concepts.

Presenters: Jane Park Woo, M.A., and John McConkey, B.A.

Clinton Foundation

Target Audience: **I T P TK K**

Content: **S T E M**

Room: San Marino

“Brick and Stone: Connecting with our Native Architecture”

By being in tune to children’s natural curiosity, we discover their emerging questions and create opportunities for further investigation. From picking up pebbles to climbing boulders, “rocks” universally captivate children and offer a quick connection to nature. Exploring materials important in the construction of our community allowed children to make authentic discoveries about texture, size, weight, shape and scale.

Presenters: Natalie Massa, B.A., and Elizabeth Schenck Brown, M.A.

Fair Oaks Preschool

Target Audience: **T P**

Content: **S E**

Room: Santa Clara

“Big Ideas Come in Small Parts: Patterns, Pixels and Configurations”

“Patterns are the gateway into the mind.” Dr. Mallard, NCIS. When we observe and evaluate the natural order we develop and refine our analytical strategies for prediction, innovation and design.

Presenter: Christine Richard, M.A.

Target Audience: **P TK**

Content: **T E M**

Room: San Diego

“Creatures in our Environment: Cultivating Scientific Development in Toddlers through Project Based Learning and Technology Use”

Responding to toddlers’ natural curiosities, this workshop shares how we guided their study of creatures in outdoor spaces and promoted understanding in life science. Implementable project strategies will be provided.

Presenters: Connie Mosher, B.A., Diana Magana Chavez, B.S., and Pei-Ying Wu, Ph.D.

Joyce M. Huggins Early Education Center

Target Audience: **P TK K**

Content: **S M**

Room: Santa Barbara

1:30pm – 3:00pm

"Sing, Play, Bounce, and Wiggle: Creative and Improvised Patterns by Exploring Math in Music"

The workshop will awaken, develop, and refine innate musicality through STEM based music and movement activities for early childhood years. The session will encourage to build strong foundation for future development of language, social-emotional, and motor skills for young children by introducing ear-training, singing games, solfege, finger plays, song-tales, echo songs, folk dance, playing patterns on non-pitched percussion instruments. And pitched barred instruments.

Presenter: Dayita Datta, B.A.

The Children's Center at Caltech

Target Audience: **I T P T K K**

Content: **S T E M**

Room: San Gabriel

"Implementation of STEM"

In this workshop participants will learn STEM is what early childhood educators have always done, which is helping children explore, predict, observe and integrate their learning.

Presenters: Deborah Robinson, M.A., and Summer Jointer, B.A.

Drew Child Development Center

Target Audience: **P**

Content: **S T E M**

Room: Pacific A

"Supporting Children's Social Emotional Learning through STEM"

This workshop will highlight real classroom practices that have been used by ECE teachers to support children's social emotional learning through a STEM inquiry based curriculum.

Presenters: Glendy Vanegas and Jamie Patrick, M.A.

Stratford School

Target Audience: **P T K K**

Content: **S T E M**

Room: Pacific B

"Building Meaningful Experience with Loose Parts and Collaboration"

Meaningful experiences in the classroom are created with loose parts and collaboration. Participants will explore STEM by creating a 2-D and 3-D model of structures with a variety of materials.

Presenter: Amber Myers, M.A.

Harrison County Schools

Target Audience: **P T K K F**

Content: **S T E M**

Room: Pacific C

“Games: Math and Much More!”

Let's play some games! Through simple, easily homemade board games children explore math concepts such as counting, cardinality, one to one correspondence and more. Children expand their social emotional understanding and communication skills when they play games. All workshop participants will have the opportunity to get creative and design their own board game to take back to their classroom.

Presenter: Gretchen Kammerer, B.A.

The Children's Center at Caltech

Target Audience: **T P TK**

Content: **M**

Room: Pasadena 1 & 2

“Materials that Build Brain Functions: Part 1”

Who is an infant? Who is a toddler? What drives early development? Where is STEM in infant/toddler experience? Observe neuronal development in the infant brain and watch how five innate human imperatives develop from 0 to 3 as infants and toddlers: 1) Search for novelty and complexity, 2) Form reliable eye/hand coordination, 3) Evolve organized movement, 4) Engage socially to form emotional intelligence, 5) Develop the language instinct. This will be demonstrated through 100+ different images to bring infant/toddler development to life.

Presenter: Ann Lewin-Benham

Author/Educator

Target Audience: **I T**

Content: **S T E M**

Room: Monterey

“Infants and Spatial Relationships”

In this workshop we will discuss an infant/toddler STEM curriculum that focuses on spatial relationships. Young children inquire what fits where and how things move, building a curriculum around it will help support their inquiries.

Presenter: Kayla Chambers, M.A.

The Children's Center at Caltech

Target Audience: **I T**

Content: **S T E**

Room: San Marino

“Integrated STEM for the Primary Years”

Explore how integrating science, technology, engineering and math (with literacy added) supports young students in developing creativity, communication, critical thinking and collaboration in culturally and linguistically diverse settings.

Presenter: Dorothy Shapland, Ed.D.

Metropolitan State University of Denver

Target Audience: **TK K F S**

Content: **S T E M**

Room: Santa Clara

“Your School, Your Story: Exceptional Environments for Reggio Inspired Schools”

A discussion of the vision and design of the Children's Center at Caltech's outdoor STEM laboratory and other Reggio-inspired spaces for young children.

Presenters: Sherry Hoffman, M.B.A, and Summer Vaughn, A.I.A. LEED AP M.Arch.

March Studios

Target Audience: **P TK K**

Content: **S T E M**

Room: San Diego

“Full STEAM Ahead”

What is STEAM and what does it mean for the future of education? Take home ways to excite children about learning through inquiry-based, hands-on activities and experiments.

Presenter: Sarah Roberts, M.Ed.

University of Nebraska-Lincoln

Target Audience: **I T P TK K F S**

Content: **S T E M**

Room: Santa Barbara

“Promising Learning Opportunities: ‘STEM’ from a Light and Shadow Project in a Reggio-Inspired Preschool Classroom”

Get a glimpse of how to offer preschoolers opportunities to explore and investigate light and shadow through developmentally appropriately project work, and how children use the language of technology to leave traces of themselves. This workshop provides strategies to engage preschoolers in exploring and investigating light and shadow. Evidence from a year-long project presents richness of children's learning in the field of STEM education.

Presenters: Chamroeun Yann, M.A., and Pei-Ying Wu, Ph.D.

Joyce M. Huggins Early Education Center

Target Audience: **P**

Content: **S T**

Room: Santa Rosa

“Problem Solve Like an Engineer”

For those who are currently engaging students in engineering, but want to further support their development, this workshop will help children become the problem solvers of tomorrow! Join us for hands-on activities, classroom anecdotes and video and discussions about how to foster engineering habits of mind in young children.

Presenter: Chantal Balesdent, Ph.D.

Engineering is Elementary, EiE

Target Audience: **P TK K**

Content: **E**

Room: Sacramento

3:15pm – 4:45pm

“Gardening through the Lens of STEM”

Using gardening as a way to introduce the concepts of STEM to young children. Real life examples will be given to show the development of students in their understanding of STEM.

Presenters: Robert Boyman, M.A., and Victor Soto, M.A.

Pacific Oaks College Children's School

Target Audience: **P TK**

Content: **S T E M**

Room: Pacific A

“Environments that Foster Language and Collaboration: Part 2”

Analyze responsive environments: What do they look like? Why are they “responsive”? Watch: “Little Ones of the Silent Pictures: A Drama in Four Acts.” “Hear” communication before there is speech, consider the role of collaboration in the “Drama.” Develop a language-rich environment by reading to infants and building a basis for literacy. Conclusion: Why STEM engagement begins at birth. This will be demonstrated through 100+ different images to bring infant/toddler development to life.

Presenter: Ann Lewin-Benham

Author/Educator

Target Audience: **I T**

Content: **S T E M**

Room: Monterey

“Simple Strategies to Indirectly Support Literacy through STEM”

Simple strategies to help integrate STEM literacy and literacy in EC STEM settings, activities/stations. Daily strategies will also promote inquiry, planning, observational, and problem solving skills.

Presenters: Mariya Danayan, M.A., and Lourdes Ochoa, B.A.

Harmon Oaks Nursery School

Target Audience: **T P TK K**

Content: **S T E M**

Room: San Marino

“Incorporating Culture and Caregivers into STEM”

See how an NAEYC accredited preschool from Hawai'i that serves an at risk population incorporates both culture and family engagement into their STEM curriculum. Leave with Helpful strategies and a treat.

Presenters: Pua Aquino, B.A., and Kasey Galariada, B.A.

Partners in Development Foundation – Ka Pa'alana

Target Audience: **I T P TK**

Content: **S T E M**

Room: San Diego

“STEM Based Group Times and Extension Activities”

In this work we will explore the foundations of cognitive group times based within STEM experiences and then how to extend that learning into hands-on classroom experiences.

Presenters: Rachel Johnson, M.A., and Shirley Irwin, B.A.

Ventura College

Target Audience: **P TK K**

Content: **S T E M**

Room: Santa Rosa



ECSTEM PROFESSIONAL DEVELOPMENT DIVISION

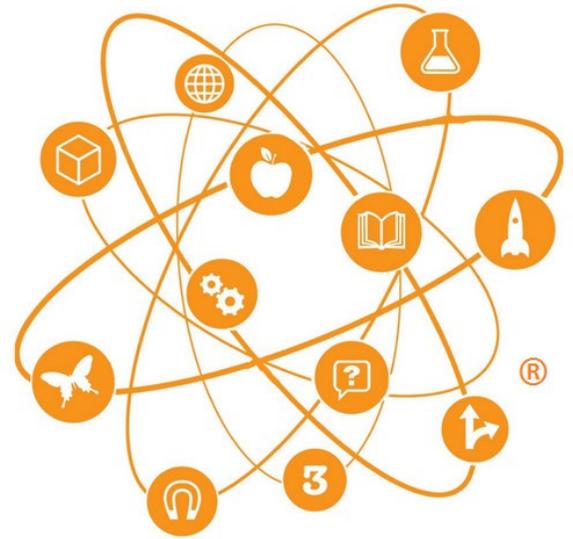
Thank you for your interest in **ECSTEM**. Since 1972, The Children's Center at Caltech has been offering high quality child care and education for children ages six month to six years. In 2000, our research led us to adopt STEM (Science, Technology, Engineering and Mathematics) curricula as a focus of our early childhood program. As leaders in STEM Early Childhood education, we launched ECSTEM (www.ecstem.org) in 2011, and began hosting an annual conference bringing together educators, policy makers, researchers and other vested community stakeholders to address the needs of our youngest citizens.

Due to the overwhelming demand for tours of our facilities, and requests for professional growth workshops, we have formed a Professional Development Division (PDD) that arranges tours, on-site visits and workshops.

- *Workshops are held on Saturday's once a month from 9am to 12pm and are \$70 per person. These are pre-scheduled dates; please visit our website for information regarding upcoming dates.*
- *One hour Educator Tours are scheduled during the week; they are \$100 per person (\$10 for any additional persons, limited to 4). Please contact our office for more details and scheduling.*
- *Half day and full day presentations at your program are available upon request and dependent upon availability. Please contact our office for scheduling and pricing.*

ECSTEM SITE CERTIFICATION

ECSTEM is excited to launch our new Site Certification option for programs seeking to focus their work with early childhood STEM concepts. Our certification is comprehensive and covers 60 hours of training in early childhood STEM curriculum, including core and focused areas of STEM topics, and tours of The Children's Center at Caltech and local area museums with a STEM emphasis. Certification will provide your center and your staff the opportunity to expand your knowledge and depth of practice within the domains of science, technology, engineering and math. Contact our PDD department to find out more about this unique opportunity!



ECSTEM Professional Development Division | 1200 E. California Blvd. MC C1-133, Pasadena, CA 91125 | 626-395-6860

ECSTEM INTERNATIONAL



As part of our ongoing efforts to ensure children the world over have access to quality child development and opportunities to explore STEM concepts, ECSTEM has partnered with Shanghai Hua Guo Cultural Development Co. based in China to create a bridge between US and Chinese institutions and educators.

Our combined goal is to train Chinese teachers and parents with a focus on early childhood STEM, and develop model ECSTEM laboratories for different types of early learning communities.

20 Fun Things to Do In Pasadena, California

The Gamble House

A California and National Historic Landmark can be found mixed in with other well to do suburban homes on Westmoreland Place in Pasadena. Built in 1908, the Gamble House belonged to the on screen Dr. Emmett Brown in the Back to the Future trilogy. Off screen this three-story architect's dream was included in the top 10 houses list of all time by the Los Angeles Times in 2008 and has a yearly rotating occupancy of architecture students from USC. Drop in on a Tuesday when the rear lawn and terrace are open for Brown Bag lunch carriers or for daily architect based tours.



Jet Propulsion Lab

The city of Pasadena can proudly boast that they host the leading robotic exploration of the solar system in the country. NASA's Jet Propulsion Lab offers numerous public educational events throughout the year including a March event that will share stories of field campaigns and research efforts and an April event that will showcase two new sibling robots. General purpose tours are offered year-round for visitors who would like to learn about the laboratory as a whole. Visit the website for more information about the tours.



Pasadena Playhouse

The 686-seat historic performing arts venue is an influential medium for the American Theatre. The Pasadena Playhouse was the first American theatre to produce all of Shakespeare's plays and they showcase at least 300 performances annually. Their College of Theatre Arts cranked out legendary actors including Gene Hackman, Dustin Hoffman and box office heartthrob William Holden. Today, The Whipping Man by Matthew Lopez is onstage until March 1st and Pygmalion and Waterfall debut later this spring and summer.



Arlington Garden

The city's only dedicated public garden features plants that fair extremely well in the Southern California climate. The Garden facilitates inspiration and guidance for anyone looking to start or improve an existing garden with drought tolerant plants. Even if you're not visiting for personal gardening purposes, the three acre lot offers tranquility for any and all visitors. Admission is free and the Garden is open year-round, rain or shine.



Huntington Library

The Huntington Library serves as a dual purpose establishment by showcasing educational and research based collections and 120 acres of landscaped gardens. There is an admission fee to visit, but they do offer "Free Days" for non-member visitors the first Thursday of each month. You'll have to request your ticket in advance online or by phone to avoid a sellout. There are four dining options here for when your feet need a rest including the Rose Garden Tea Room where you'll delicately eat finger sandwiches and chilled salads of The Cafe for a family friendly option with simple, yet satisfying options such as sandwiches, tacos, quesadillas, and a kid approved children's menu.



iPic Theater

This theater creates such a fun, unique movie viewing experience with their recliner sofas, provided blankets & pillows and free popcorn. That's not all though, guests can order a full meal up to 30 minutes prior to the movie showing and have it delivered to their reserved seat. With you meal you'll have the option to accompany it with a glass of wine or cocktail from Salt Lounge. This sounds like a movie night at home, but even better because other people are doing the work for you.



Ice House Comedy Club

Open since 1960, this vintage-esque comedy club has been Pasadena's go to for music and comedy. Renowned comedians have graced this club including Jay Leno, Jerry Seinfeld and the late Robin Williams. Today, there are two showrooms, a courtyard and approximately 7,000 guests each month. Upcoming performers include Harry Basil and Kevin Smith with Jason Mewes. I would try looking at Groupon for the latest and greatest deals for entry into this comedy club.



Eaton Canyon

There's many things to do at Eaton Canyon that at least one aspect is bound to appeal to whomever you might be traveling with. Whether you like to hike, go horseback riding or like watching running water, you can find it here. The trail to Eaton Canyon Falls is a popular and often crowded hike that starts off as a fairly easy walking experience, but progresses in difficulty as you approach the falls. If you're not as into physical activity there's still much opportunity to view wildflowers in the spring and an abundance of birds during the crowning of migration (April-May.)



Le Petit Vendome Wine Tasting

This wine and spirits shop recently moved to a new location between Smitty's Restaurant and Wells Fargo Mortgage. Always go online to confirm the wine tasting schedule, but wine tasting at the Pasadena location usually occurs every Friday and Saturday between 6:30 and 8p.m. Each weekly wine tasting will focus on either a particular region or category of wine. What's really neat are all sampled wines are offered to samplers at or below retail prices.



Old Town Pasadena

The real downtown of Pasadena hosts many activities and establishments for those looking for fun in the City of Roses. Take a walk along Colorado Blvd. in old town to enjoy a myriad of shopping and dining options, plus there's the Farmer's Market every Sunday with free kids' activities. And, of course, every year folks camp out along Colorado the day before the turn of the new year so they can stake out their real estate to watch the annual Rose Parade.



Rose Bowl

Speaking of roses... The Rose Bowl might be most famously known for the annual college football game of the same name, but regular flea markets, concerts and special events draw in the crowds year-round. Also of note, stadium tours are made available for those who are really just interested where visitors can see the original 1922 locker room, the Loge Lounge and all the famous history that has occurred here.



Kidspace Children's Museum

This is the place to visit if your family has little ones in it because really, sometimes kids need an outing that is all about them. There are a ton of hands-on exhibits for our little ones who are used to hearing, "don't touch!" and plenty of outdoor activities and programs. The outdoor Robert & Mary Galvin Physics Forest looks like a fantastic place to let kids use their whole bodies and mind to see just how things work. Check out their website for current programs geared for all age ranges.



626 Night Market

Ok, so Arcadia isn't technically in Pasadena but since it's literally just a stone's throw away we have to mention the 626 Night Market, the original, and largest, Asian themed night market in the United States. With food options ranging from ramen burgers to lobster rolls, Sriracha inspired creations to more traditional fare such as stinky tofu or dragon candy, it's no wonder that 626 is one of the signature food events of the San Gabriel Valley (and all of Los Angeles, really).



Santa Anita Park

I remember a time when all I used to hear about on the radio and television was the Santa Anita Park. The park which is best known for its thoroughbred racing is in season right now until June. You can catch a race and a free tour of the stables weekends during the season at 8:45 and 9:45 a.m. They've got more than just horses though, if you like beer they've got a beer festival coming up early March and the Winner's Circle BBQ Championship at the end of March. You're bound to have a busy spring and summer if you stay current with the events this venue hosts.



Free Concerts at Levitt Pavilion

The Levitt Pavilion Pasadena is a non-profit arts organization which hosts a Music Festival of some 50 free concerts over the course of each and every summer. Performances include past grammy winners, and a variety of genres, from Latin to Jazz to contemporary alternative and indie acts. There are even food vendors and children's activities set up to entertain the little ones. Just be sure to get there early to stake out a good spot to enjoy the show.



San Gabriel Mission District

If you went to elementary school in California there's a good chance you toured one of the 21 missions that line the state. Although not directly inside Pasadena city limits, this mission is too close not to visit if you'll be in the area. Take a walk through the "city with a mission" and explore what was first rooted over 200 years ago. You'll get a small taste of early California life, eat some good food and most importantly, learn about the Franciscan's fourth established mission.



Norton Simon Museum

One of the most impressive private collections in the world resides at the Norton Simon Museum, just a few blocks west of the heart of Old Town Pasadena, with works ranging from a 2,000 year period that include paintings from the European Renaissance, 20th century European masters, and incredible sculptures from South and Southeast Asia made more than a millennia ago. Standard admission is \$12 but the Museum is free for all visitors the first Friday of every month from 5pm to 8pm.



Pasadena City College Flea Market

If the Rose Bowl Flea Market seems too pricy or too overwhelming, consider this a great alternative. The PCC Flea Market takes place the first Sunday of every month from 8am to 3pm, features tons of great vendors and is FREE to enter. Just as important, parking is just \$2.



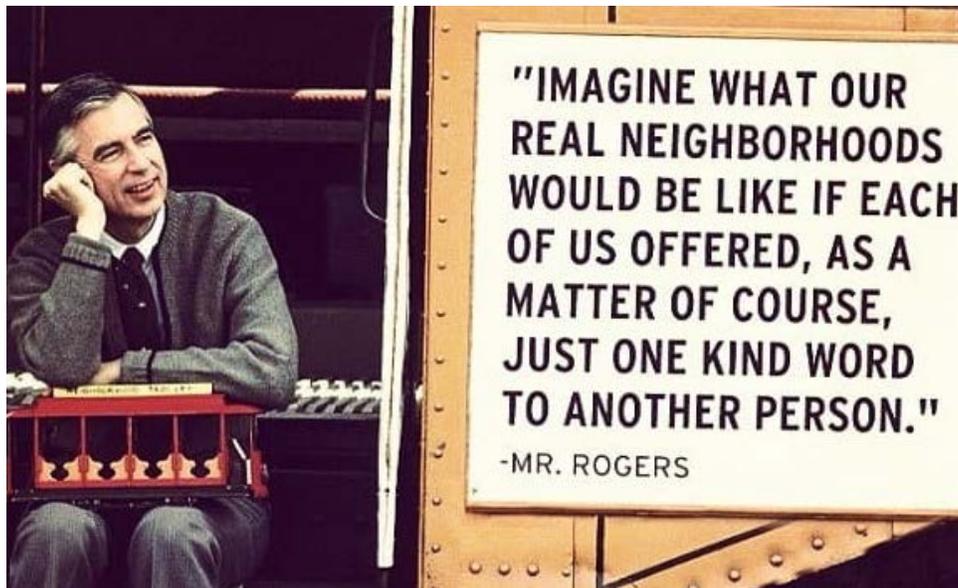
Vroman's Bookstore

Pasadena's oldest bookstore, and also one of L.A.'s finest. This is the perfect spot to spend a rainy afternoon perusing, reading, or just hanging out, and they also have plenty of signings, readings, and other community oriented events on their calendar to keep you coming back week in and week out. Two locations for your convenience, one on Colorado Blvd and the other on Foothill.



South Lake Ave

If you've exhausted your capacity for shopping on Colorado Blvd, then take a stroll down Lake Ave. A few miles east of Old Town proper, this 12 block strip along South Lake Ave features shops, markets, restaurants, and retailers. Recommended: Abricott for breakfast, Mediterranean Cafe for lunch, and Euro Pane Bakery (just a block east) for macarons.

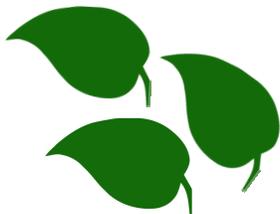


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