



# AICHE K-12 STEM Showcase

**Sunday, October 27, 2024 | [aiche.org/k12](https://aiche.org/k12)**  
San Diego Hilton Bayside | 1 Park Boulevard | San Diego, CA 92101

## AICHE K-12 STEM SHOWCASE PROGRAM

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**9:00 AM - 10:00 AM | Arrive & check in | Sapphire Ballroom AE & IM Foyer**

Pick up wristband, Personal Protective Equipment (PPE), and souvenirs.

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**10:00 AM - 11:10 AM | Keynote | Sapphire Ballroom AE**

Get excited about STEM and Chemical Engineering with help from:

- **Dr. Patrick Abulencia**, Associate Professor of Chemical Engineering at Manhattan College
  - **Dr. Kate Biberdorf** a.k.a. **Kate the Chemist**, Scientist, Science Entertainer, and Professor at the University of Texas.
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**11:10 AM – 12:30 PM | STEM Showcase | Sapphire Ballroom IM**

Interact with exciting AIChE member-led STEM demonstrations, discussions, and experiments, covering a variety of STEM topics.

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**12:30 PM – 1:15 PM | Lunch & Learn | Sapphire Ballroom AE**

Learn more about Chemical Engineering while you eat lunch with Chemical Engineering professionals.

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**1:15 PM - 1:30 PM | K-12 Competition Awards Ceremony | Sapphire Ballroom AE**

Find out if your favorite STEM demos earned prizes!

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**1:30 PM – 2:45 PM | Chem-E-Car® Competition | Sails Pavilion (Upper Level, SDCC)**

Cheer on college students competing for the international title in the 26<sup>th</sup> Annual AIChE Chem-E-Car Competition.

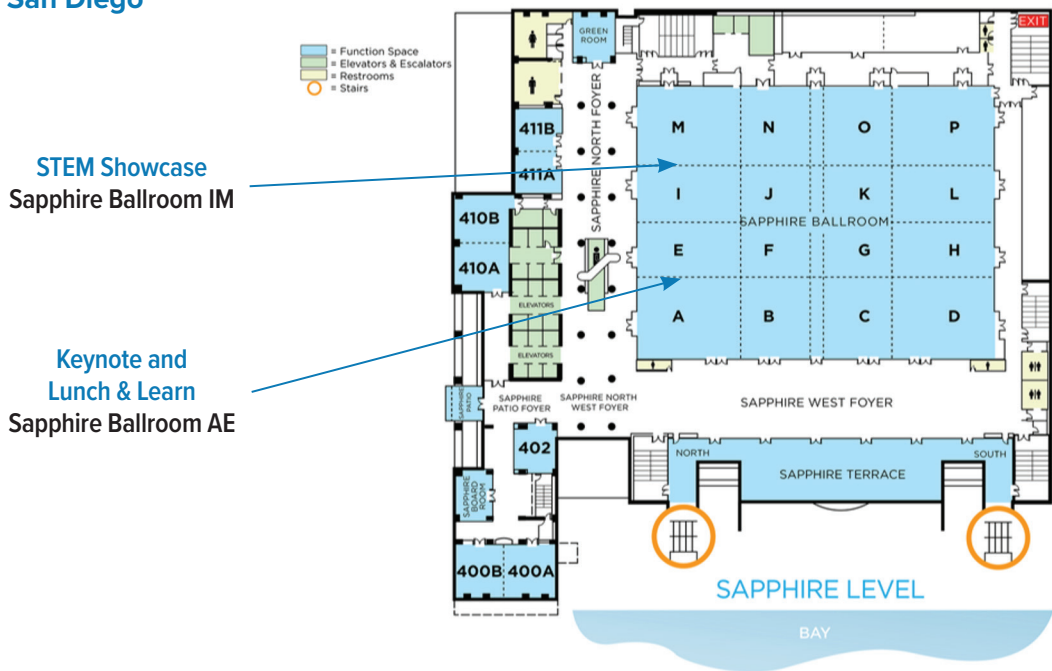
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*Program subject to change.*

## ACKNOWLEDGMENTS

The AIChE K-12 STEM Showcase is made possible by PPG, the AIChE Foundation, AIChE K-12 Committee, AIChE Executive Student Committee (ESC), and many more AIChE members and volunteers. Thank you for your support!

Hilton Bayfront, San Diego  
LEVEL 4



STEM Showcase Demos

GRADE LEVEL	ID	NAME
K-2	A	Pulley Power: An Engineer's First Machine
	B	pH Playtime- Discovering Acids in Your Belly!
	C	Peppa's Perfect Party
	D	Milky Marvel
	E	Universes Trash Can
3-5	F	A Salty Competition
	G	pH Potions
	H	Pop!Corn
	I	St. Patty's Separations!
	J	From Cave Art to Safe Art
6-8	K	Filter Builder
	L	Mock Heart Pump (AKA Pump It Up)
	M	Pop Co
	N	The Puffer Power Pop: CO2 and Ocean Acidification
	O	Fluid Powered Battle Bots
9-12	P	Hot Diggity Dye
	Q	The Chilly Chameleon Heat Exchanger
	R	Ink Propelled Boats
	S	Windmills: Engineer Your Energy
	T	Waste to Wealth

STEM Showcase, Sapphire Ballroom IM

