



## YODA Training in Mathematics with Andrew Chen

YODA = Your Own District's Asset

- 57 PDPs
- 3 Graduate Credits
- Lunch included

Location: Lowell (or Marlborough) Dates: 7/8 to 7/12 (or 7/15 to 7/19) in 2019

**“This culture shift is a journey, and I'm eternally grateful to have begun it with you.”**

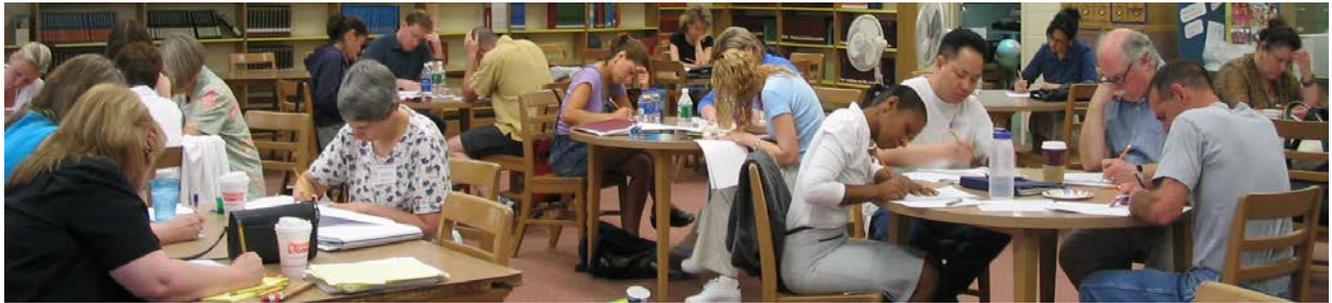
**--A principal, former Institute participant**

This unconventional Institute is designed for (teams of) educators who *aspire to drastically improve* K-12 math learning culture and outcomes. Come join this intensive, mind-expanding, mind-blowing, and transformative 5-day odyssey with an eclectic group. Institute veterans endorse it is as a life-changing experience. *Serious Fun* guaranteed! Invite, or bring along, high caliber colleagues who will grow into YODA (Your Own District's Asset) to help others.

### What will we be doing?

1. Dive deep into critical mathematical content areas\* that are challenging to teach and learn well—by doing math as a student and analyzing it through a teacher's lens.
2. Surface for air.
3. Fly up high in the air and survey broad vistas of K-12 mathematics out to the distant horizon and visualize the progressions and connections. Again, as a student and as a teacher.
4. Repeat 1-3 multiple times.
5. Experience firsthand “diagnostic teaching” as a student within an eclectic group of participants.
6. Make Standards of Mathematical Practice come alive in the context of immersion in mathematical content.
7. Reflect on how to make explicit to others the related pedagogical implications.

*[\* The mathematics content will span all grade levels and be adjusted to meet participants' needs.]*



## What will you get out of it?

According to [Institute veterans](#), you will be better equipped to [help others \(including adults!\) to:](#)

- Gain profound understanding of mathematical content— this [underpins all other outcomes](#) that follows
- visualize how math topics connect within-grade and across-grades and hence understand expectations in our standards
- change to an open mindset for learning mathematics from “*either-you’re-good-at-it-or-you’re-not*”

The above will allow you to plan more effective lessons and be flexible in improvising, know “*what does it take to learn this*” for more topics and thus can fill in more student knowledge gaps on demand, motivate more students to want to “beat the game”—level by level, and improve student retention of newly acquired knowledge and skills.

You can also choose to get 3 graduate credits from Fitchburg State University (optional).



## Who should attend?

Individuals (or teams) **who aspire to drastically improve K-12 math learning culture and outcomes** in your work. You should join the Institute if you work with grades K-12 as a **Math Chair, Teacher of Mathematics, Principal, Math Director, Superintendent, Math Coach, Curriculum Director, or Math Leader. We need you here.**

**Special Offer:** *Principals, superintendents and school committee members are welcome to come join the Institute for free on any day for any duration. Please email [PD@EduTron.com](mailto:PD@EduTron.com) to give us a heads-up a week in advance.*

## What do Institute veterans think of the 5-day experience?

1. "This institute was the most valuable professional development I have had in my career as a teacher. (Very long career...)"
2. "The dynamics of a group can only be explained to someone who has experienced it. It is really exciting to do meaningful analysis of our work in front of people who truly want to understand and deepen their teaching commitment."
3. "Wonderful! I would love to take it again! The atmosphere was extremely non-threatening and there was something for everyone. The subject matter was presented in a way which challenged everyone, but there was still the ability for those who did not come with as much knowledge of math to master the fundamentals!"
4. "Since spending time with you, we are becoming a community of learners of mathematics, problem-solvers dedicated to building our own and others confidence in (and often, love of) mathematics. This culture

shift is a journey, and I'm eternally grateful to have begun it with you."

5. "Absolutely wonderful! This has been a great opportunity to be totally immersed in math and become actually engaged in challenging ourselves to think beyond what we teach (whether at a higher or lower level)..."
6. "It woke up the math in me. It made me aware of my strengths and weaknesses." "I truly wished every math teacher could experience what I did in this class. I have learned much about myself as a math teacher and as a math student."
7. "Excellent! Challenging experience. Absolutely engaged in the learning process. I developed more confidence in my own learning that will directly transfer to my teaching. More understanding of the 'why' something mathematical happens. I will not be teaching all of the topics presented but the awareness and knowledge gained is critical to my professional development. The collegiality was incredible!!"

[What will I get out of this?](#)

[Institute veterans' testimonials](#)

[What will we be doing?](#)

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[Who is Andrew Chen?](#)

[What is Intensive Immersion Institute?](#)

[Date/location](#)

[Cost](#)

8. "This course created "Joyous" learning moments with the great feeling of "break-through" thinking and thought connections and generalized concept development. (Made my "eyes water" several times.) ... I was richly rewarded in this course."

9. "In all of the courses I have taken since college, only two (this and one other) have been worth my time in the sense that I learned something new. Both were content and instruction courses that focused on math."

10. "This course was for ME first of all and secondly for my students who can only benefit from my increased knowledge of mathematical concepts."

11. "... it taught me how many of my students must feel when they are trying to learn a new concept - frustrated. It also made me realize that I knew more than I thought I knew (or remembered). I will also question my students more deeply and allow them to figure things out on their own before jumping in to help."

12. "There was clear differentiated instruction in many ways and at every level in the class. The instructors really instructing and covering topics at the students' ability level."

13. "I have expanded my content knowledge greatly and will be able to better explain connections to my students. I also can better find where to start w/ a student if they are having trouble."

14. "It was very challenging, but rewarding. Helped you learn about yourself as a student, which in turn can help you in your own classroom."

15. "I enjoyed the exchange with math teachers on a real math level so much. Thank you for all that you did to draw out the best in each of us."

16. "I feel re-energized and also that I now have more to offer as a teacher."

## Who is Andrew Chen?

Dr. Andrew Chen was on the Common Core Standards Development Team in Mathematics. He received a PhD in physics from Columbia University. He was a physicist at MIT before founding EduTron. He is on the Advisory Board of the National Council on Teacher Quality. He is also on the Mathematics and Science Advisory Council for the Massachusetts Board of Education. Dr. Chen provides high quality professional development [Intensive Immersion Institute](#) ( $I^3$ ) in mathematics and science to teachers at all levels.

## What is Intensive Immersive Institute\*\* ( $I^3$ )?

Good question. [Click here.](#)

\*\* District-based [Intensive Immersion Institute](#),  $I^3$ , can fundamentally transform individual teachers and their districts into effective learning machines. Thanks to the chemistry, dynamics, and positive peer pressure fostered in the rigorous, intensive and collegial workshop experience.

## What's the cost?

The cost for the 5-day YODA experience is \$1,600 per person; \$3,100 for a team of 2; \$4,500 for a team of 3. Lunch is provided. *Let the journey begin!*

## What are the dates and location?

There are two locations and weeks to choose from:

Central Office, LPS 155 Merrimack St. Lowell MA July 8-12, 2019 8 a.m.-3 p.m.	Marlborough High School 431 Bolton Street Marlborough MA July 15-19, 2019 8 a.m.-3 p.m.
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Contact [PD@EduTron.com](mailto:PD@EduTron.com) for questions and further information.



[Click here to register](#)

[PD@EduTron.com](mailto:PD@EduTron.com)