Zebrafish Summer Institute

Designing real-world applicable scientific inquiries for any classroom

Who? Teachers of Life Sciences and Career Technical Education (CTE-Health Sciences) teaching grades 6-12, with 25% or more English Learners, who are interested in integrating zebrafish into their courses addressing NEW-TEKS, science phenomena, and Science and Engineering Practices (SEPs).

What? Participants will explore the educational potential of zebrafish, a widely used biomedical research model. Through hands-on, immersive activities using simple pet store supplies, teachers learn how to create engaging and accessible learning experiences for ALL students in grades 6–12. Zebrafish are ideal for classroom use—they are easy to maintain, produce transparent embryos that develop within a week, and show major organs develop including a beating heart. These characteristics make zebrafish an excellent tool for classroom experimentation igniting student curiosity and fostering the development of inquiry and scientific and engineering skills. Sessions will also focus on teaching strategies to engage ALL learners, with a focus on English language proficiency skills (ELPS).

When? Attend a half-day virtual session followed by three full days of hands-on, in-person workshop sessions. Collaborate with fellow educators teaching with zebrafish, interact with bioengineering scientists, build a relationship, and receive sustained support from the Department of Science and Math Education, UT Dallas.

Participants are required to attend all sessions.

June 3 - virtual session from 9 AM to noon
June 4 to June 6: In-person sessions from 9 AM to 4 PM

Where? Department of Science and Math Education, University of Texas at Dallas, 800 West Campbell Road, Richardson, Texas

Cost: $100 per participant (cost includes virtual and hands-on workshop sessions, meals for the workshop, and year-long support). Participants will receive an aquarium starter kit, a microscope with a camera, zebrafish stocks, and a curriculum binder with resources aligned to NEW TEKS.

CPE Credit: Each participant will receive 24 hours of CPE credit upon workshop completion.

Application Deadline: No later than April 4, 2025. Only 15 spots are available due to space and materials costs.

To apply: Click the QR Code.

Science/Mathematics Education

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The ZSI Team:

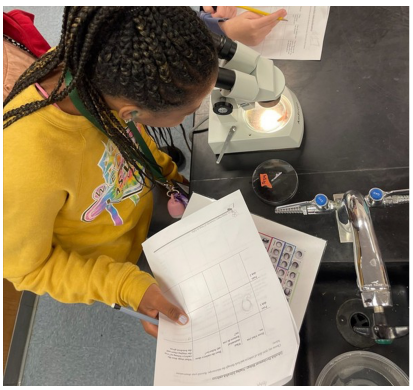
Vinita Hajeri, Ph.D. Associate Professor of Instruction: *Biomedical* scientist/educator actively using zebrafish to improve teacher practice and STEM proficiency of K-12 learners. Dr. Hajeri is the director of the Zebrafish Summer Institute. See the Hajeri Lab website: https://labs.utdallas.edu/hajeri/professional-development/

Ms. Pamela Kirkland, M.Ed., Clinical Assistant Professor, UT Dallas*:* Ms. Kirkland is actively involved in teaching pre-service teachers and providing teacher induction for the UTeach program at UT Dallas.

Dr. Dave Dingal, Ph.D Assistant Professor, UT Dallas**:** Dr. Dingal is a zebrafish scientist and bioengineering scientist. He is actively involved in using zebrafish models to understand how proteins perform a variety of functions at the molecular level and at the level of the whole animal https://labs.utdallas.edu/davedingal/research/

All participants receive sustained support with:

- Zebrafish stocks
- Classroom supplies
- One-on-one mentoring
- Access to fellow educators teaching with zebrafish through GroupMe chat



For more information and teacher testimonials scan the QR code