



# Professional Development for educators

## Helping teachers and students learn mathematical concepts through a Computer Science/Computational Thinking-focused Curriculum



### **E<sup>4</sup>Tech: Engaging, Exciting and Empowering Educators through the “T” in STEM**

E<sup>4</sup>Tech is an innovative professional development (PD) model and curriculum focused on the integration of computer science and computational thinking into mathematics for grades 3-4. Lessons are designed to emphasize mathematics and science content through a computer science focused curriculum in three innovative modules: Robotics, Programming and Circuits & Computing. The E<sup>4</sup>Tech curriculum aligns to Ohio’s Learning Standards in Mathematics and national K-12 Computer Science Standards. The structure of the E<sup>4</sup>Tech PD model illustrates ESSA Level II Moderate Evidence and ESSA Level III Promising Evidence.

TECH CORPS  
614.583.9211 / techcorps.org

### **Project Components**

- 30 hours of Curriculum Modules: Programming, Robotics and Circuits
- All lessons align to Ohio’s Learning Standards
- More than 100 hours of In-person and Online Professional Development
- Access to supplies and materials
- Evaluations and Assessments
- Training and ongoing support

### **Project Format**

- Boost Sessions
- 2 week Summer Institute
- Online Interaction

### **Grade Band**

- 3rd and 4th grade math teachers

**For more information, visit**  
[bit.ly/E4TechInterest](http://bit.ly/E4TechInterest)

### **Currently 46 teachers from 37 schools across 20 districts are participating in this project.**

E<sup>4</sup>Tech focuses on demographically and geographically different areas in Ohio serving students typically underrepresented in STEM and CS classes.

Participating Ohio school districts include: Alliance City School, Avon Lake, Cleveland Metropolitan School District, Columbus City Schools, Elyria City Schools, Gahanna Jefferson Schools, Hilliard School District, Lorain City Schools, New Albany Plain Local Schools, Newark City Schools, Oregon City Schools, Parma Local Schools, Revere Local Schools, Reynoldsburg City Schools, Southwestern City School District, Toledo Public Schools, Westerville City Schools, Westland City Schools, Willoughby-Eastlake City Schools and Worthington City Schools.

Teaching & Learning Collaborative  
614.265.9800 / [teachinglearningcollaborative.org](http://teachinglearningcollaborative.org)