CTE LAB AI DEVELOPMENT

HANDS-ON WORKSHOP FOR EDUCATORS

VIBE CODING FOR CTE CLASSROOMS

CTE Vibe Lab

Describe it. Build it. Teach with it.

Educators learn to **"vibe code"**: describe what they want in plain language, let AI write the code, then test and refine until it works. Teams leave with standards-aligned apps, animations and simulations built for their own pathways. **No coding background required.**

Plain language in...
Your teaching expertise is the spec. AI handles the syntax.

Many tools, one method...
Practice across a variety of AI tools and platforms, then pick what fits your district.

Teacher-governed AI...
Accuracy checks, privacy and student safety built into every build.

WHAT YOU'LL BUILD

From a standard to a working tool.

01 **Interactive Apps**
Calculators, checklists and practice tools students use in the lab or shop.
Trade calculators · Safety check-ins · Skill drills

02 **Animations**
Step-by-step visual explainers for processes students can't see with the naked eye.
Engine cycles · Current flow · Process sequences

03 **Simulations**
Safe practice for tasks that are risky, costly or hard to stage in a classroom.
Troubleshooting · Virtual labs · Scenario decisions

BUILT IN

04 **Standards Alignment**
Start from National or State CTE Standards and program competencies; every build maps back to them.
Standards · Competencies · Rubrics

CHOOSE YOUR FORMAT

Sized to your team.

½ DAY **Kickstart**
The vibe-coding method and a first working build per teacher.

1 DAY **Build Day**
App, animation and simulation builds, mapped to standards, plus a share-out.

MULTI **Cohort Sessions**
Classroom testing between sessions and a full pathway toolkit by the end.

What educators leave with...

- Working tools, ready for students on Monday
- A repeatable prompt-build-test-refine workflow
- Confidence choosing the right AI tool for the job
- Checks for accuracy, privacy and safety

BRING IT TO YOUR

Built for teams and conference cohorts.

01 **School or district teams**

02 **Conference pre-sessions**

03 **Regional educator cohorts**

CTE and Academic Teachers welcome. On-ste, Live Virtual or Hybrid.

BOOK A VIBE LAB

Your teachers, building their own tools.

director@ctelab.ai
ctelab.ai/services
Michael Mino, Lab Director · Boston, MA