

# Video Walkthrough Script

AI + Coding Starter Kit | Walkthrough Script | Teachers / Administrators

**Purpose:** Learning to code can be frustrating because one small mistake can stop a whole program from working. AI can help students work through those moments, but only if we teach them to use it as a coach rather than a replacement coder.

**Standards summary:** This resource may support Tennessee Computer Science Foundations standards when used as part of AI literacy, computer science, programming, digital ethics, or cybersecurity instruction. Detailed standards connection appears at the end of this document.

| Item               | Details   |
|--------------------|---|
| Recommended Length | 3-5 minutes   |
| Audience           | Administrators, teachers, parents   |
| Format             | Direct-to-camera with screen captures of code, prompt examples, and student artifacts |

## Opening

Learning to code can be frustrating because one small mistake can stop a whole program from working. AI can help students work through those moments, but only if we teach them to use it as a coach rather than a replacement coder.

## Core Message

I teach students that AI can explain code, interpret error messages, offer hints, and help them practice. But students still need to read the code, make decisions, test the result, and explain what changed.

## Show the Starter Kit

Lesson Plan: AI as a Coding Coach

## Python Debugging Activity

- Ask AI Better Coding Questions handout

## Responsible AI Use in Coding Rubric

## Student-safe AI coding conversation sample

## Classroom Example

Instead of asking AI to fix a Python assignment, a student can ask: Explain what this error means and point me to the line I should check first. That prompt keeps the student in the learning process. The student still makes the fix, tests the code, and explains the result.

## **Administrator Connection**

For schools, this approach gives teachers a practical way to address academic integrity without pretending students will never encounter AI. It supports responsible technology use while building real programming habits: debugging, testing, iteration, and documentation.

## **Closing**

The goal is not to keep students away from powerful tools. The goal is to teach them how to use those tools with judgment. Students should not need AI to code for them. They should learn how to code better with it.

## **Optional On-Screen Text**

### **AI as coach, not replacement**

- Ask for hints before fixes

### **Test and verify your code**

### **Explain what changed**

### **Never submit code you cannot explain**

## Detailed Tennessee Standards Connection

This video script supports standards by explaining how AI can support programming, debugging, ethical use, verification, and student ownership.

Standards source: Tennessee Department of Education, Computer Science Foundations (C10H11), May 2023. Confirm final alignment against local district pacing, approved course placement, and teacher directions.

This resource may support the following Tennessee standards when used as part of AI literacy, computer science, programming, digital ethics, or cybersecurity instruction:

- CSF 9.2 - Troubleshooting Process: Students use a structured process to identify a problem, gather information, isolate causes, test a solution, verify the result, and document what they learned.
- CSF 13.1 - Social, Legal, and Ethical Issues: Students identify responsibilities related to ethical technology use, academic integrity, copyright, appropriate AI use, and responsible programming support.
- CSF 16.1 - Programming Language: Students explore programming languages such as Python and explain how programmers use them to solve a variety of IT problems.
- CSF 16.2 - Software Development Life Cycle: Students connect planning, coding, testing, refinement, deployment, and maintenance to an iterative software-development process.

Cautious guidance: Alignment depends on local district pacing, approved course placement, teacher directions, and how the resource is used as part of instruction.