VEX AIM Educator Certification Course

The VEX AIM Educator Certification Course is designed to empower educators to effectively integrate the VEX AIM Coding Robot and computer science into their teaching practice.

This certification is ideal for educators interested in teaching computer science with VEX AIM, regardless of prior experience.

Estimated time for this course: approximately 4 hours
Note: Estimates are approximate, as a self-paced course, individual completion times may vary.

Chapter 1 – Why VEX AIM?
In this chapter, you will explore the foundational design and features of the VEX AIM Coding Robot. You will learn how VEX AIM allows students of all ability levels to learn Computer Science in an engaging, hands-on, and collaborative way.

Chapter 2 – Coding with VEX AIM
In this chapter, you'll discover how AIM's hands-on driving activities and varied coding methods (Button Coding, Block-based, Switch blocks, Python) support students at all levels. You'll learn how to leverage built-in supports, tutorials, and accessibility tools within VEXcode AIM to differentiate instruction.

Chapter 3 – Teaching with VEX AIM
This chapter will guide you through effectively teaching with the structured AIM Intro Course. You'll learn to facilitate lesson activities, classroom discussions, and formative assessments through student-centered and collaborative methods. Special attention is given to utilizing discussion and hands-on activities to help students build computational thinking.

Chapter 4 – Implementing VEX AIM in Your Classroom
In the final chapter, you'll explore planning resources, standards alignment tools, and additional supports to help you make the most of teaching with VEX AIM. You will be provided with resources to help you get your robots ready for classroom use, and be introduced to the VEX Library and VEX AIM Activities. Additionally, you will learn about the benefits of your AIM certification and how to take it further with a PD+ All Access membership.

The course concludes with a final Certification Exam.
Completing all chapter exams unlocks the final exam.