



CodeHS

Indiana Computer Science: 8th Grade
Middle School, 40 hours

Course Overview and Goals

CodeHS takes a modular approach to middle school curriculum, where each module contains about 10 hours of content and introduces students to a specific topic within the field of computer science. Designed specifically for middle school students, students will explore topics in a variety of engaging and interactive ways.

The Indiana Computer Science: 8th Grade course is an introductory course for early middle school students. It is great for students who are completely new to coding or for students who are continuing on their coding journey. The modules in this course are stand alone modules, and they can be taught in any order.

This course is the third course in the **CodeHS Indiana Middle School Pathway**:

6th	Indiana Computer Science: 6th Grade
7th	Indiana Computer Science: 7th Grade
8th	Indiana Computer Science: 8th Grade

Learning Environment: The course utilizes a blended classroom approach. The content is a mix of web-based and physical activities. Students will write and run code in the browser, create digital presentations, complete interactive activities online, and engage in in-person collaborative exercises with classmates. Teachers utilize tools and resources provided by CodeHS to leverage time in the classroom and give focused 1-on-1 attention to students.

Module Overviews

Module	Description	Overview Video Link
Exploring Code with Karel	Students learn the basics of programming by giving Karel the Dog commands in a grid world.	Exploring Code with Karel
Exploring Digital Citizenship	Students learn about Internet etiquette and how to stay safe on the world wide web.	Exploring Digital Citizenship Overview
Exploring Art with Code	Students explore the intersection of art and technology by creating art programs using p5.js.	Exploring Art with Code Overview
Exploring Game Design	Students learn the basics of game design and build their very own games.	Exploring Game Design Overview