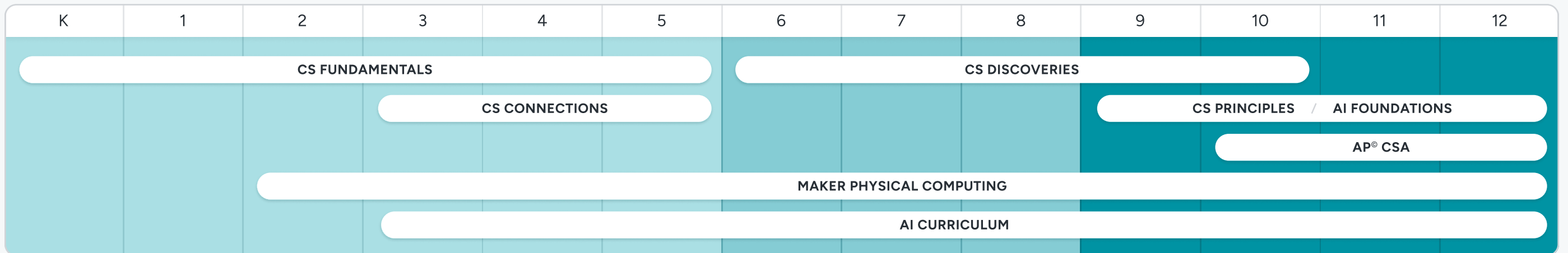


Code.org K-12 Curriculum Overview

A pathway to comprehensive computer science and AI education.



Elementary School

Computer Science Fundamentals [↗](#)

Introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world.

🕒 Quarter or month-long units 👤 K-5

Computer Science Connections [↗](#) MODULAR

Makes connections between learning CS and other subjects like math, language arts, science, and social studies.

🕒 Week-long modules 👤 3-5

Maker Physical Computing [↗](#) MODULAR

Take STEM learning a step further through hands-on projects and CS applications, where students build and program circuits, fostering creativity and problem-solving skills.

🕒 Month-long units 👤 2-5 🛠️ Micro:bit

Artificial Intelligence [↗](#) MODULAR

Introduce students to AI concepts as they learn how AI makes predictions, sorts data, and can help solve real world challenges.

🕒 Lesson, month, and semester-long units 👤 3-5

Middle School

Computer Science Discoveries [↗](#) MODULAR

Code.org's most flexible course! This curriculum introduces students to building their own websites, apps, animations, games, and physical computing systems.

🕒 Quarter/month-long units or year-long course 👤 6-10

Maker Physical Computing [↗](#) MODULAR

Explore the role of physical devices in computing. Students will develop programs that utilize the same hardware inputs and outputs that you see in the smart devices.

🕒 Quarter-long unit 👤 6-12 🛠️ Micro:bit, Circuit Playground

Artificial Intelligence [↗](#) MODULAR

Introduce students to the foundations of AI through a wide-variety of engaging modules like AI Ethics, Coding with AI, Exploring Generative AI, Computer Vision, Social Impacts of AI, and more.

🕒 Lesson, month, and semester-long units 👤 6-12



Free curriculum. Forever.

We're committed to keeping our curriculum offerings free for all.

High School

Artificial Intelligence Foundations [↗](#) MODULAR

This highly-modular curriculum equips high school students with essential CS skills through real-world applications and a strong emphasis on accessibility and inclusivity

🕒 3-week units or semester-long course 👤 9-12

Computer Science Principles (AP[®] Endorsed) [↗](#)

Introduces foundational computer science concepts, encouraging students to explore technology's impact and inspiring future leaders, especially those often underrepresented in the field.

🕒 Year-long course 👤 9-12

AP[®] Computer Science A [↗](#)

Introduce students to software engineering and object-oriented design while they learn the Java programming language in our curriculum for [AP[®] Computer Science A](#).

🕒 Year-long course 👤 10-12

Maker Physical Computing [↗](#) *See prev.* MODULAR

Artificial Intelligence [↗](#) *See prev.* MODULAR

