

TEALS Supported Computer Science (CS) Pathways Overview

	Introductory Courses		Advanced Courses	
	Introduction to Computer Science	AP Computer Science Principles	AP Computer Science A	Computer Science Topics
Course Description	A semester or full-year course that explores a variety of basic computational thinking and programming concepts through a project-based learning environment.	A full-year course covering the fundamentals of computing including creativity, programming, and global impact.	A full-year course focused on object-oriented programming and problem solving in Java. Equivalent to a first-semester, college level course in computer science.	A full-year course that focuses on applications of CS fundamentals and can be taught after taking one CS course such as Intro to CS, CS Principles, or CSA.
Foundational Knowledge Required	Algebra Readiness	First year Algebra	First year Algebra	Foundational CS concepts
Curriculum Provider	<ul style="list-style-type: none"> • Carnegie Mellon University: CS Academy CS 1 • TEALS Program: Intro to CS - Snap • TEALS Program: Intro to CS – Python • Code.org: CS Discoveries* • Popfizz.io: Intro to CS in Python* • CodeHS: Fundamentals of Cybersecurity* • Quorum* • MakeCode Intro to CS* 	<ul style="list-style-type: none"> • Code.org • Beauty & Joy of Computing • Project Lead the Way • Code.org with CMU CS Academy* • Microsoft MakeCode* • Quorum* 	<ul style="list-style-type: none"> • Code.org* • CS Awesome • TEALS Program • CodeHS* • Popfizz.io* • Project Lead the Way* 	<ul style="list-style-type: none"> • Carnegie Mellon University: CS Academy CS 2* • CodeHS: Fundamentals of Cybersecurity* • Cyber.org IT Fundamentals* • Cyber.org Cybersecurity*
AP Exam Format	Not applicable	Performance task and multiple-choice assessment (written exam)	Multiple-choice and free-response questions (written exam)	Not applicable
Provides Foundation For	<ul style="list-style-type: none"> • AP CS Principles • AP CSA • CS Topics 	<ul style="list-style-type: none"> • AP CSA • CS Topics 	<ul style="list-style-type: none"> • CS Topics 	<ul style="list-style-type: none"> • Curriculum-specific

*This curriculum is currently in pilot for TEALS support – please speak to your Regional Manager if you are interested in adopting this curriculum



Curriculum Frequently Asked Questions

What course should I add to my CS pathway?

There are many factors to consider when choosing a course for your CS pathway. Many schools choose to start with an introductory course such as Intro to CS or AP CS Principles. Intro is a good option for schools looking to introduce CS concepts to 9th graders, while CS Principles is a good option for schools more interested in providing an AP option for their upper level students. Your Regional Manager will work closely with you to determine the best options for your school.

Which curriculum provider should I use?

Each curriculum has its own pros and cons. The Implementation Guide contains more information about the supported curricula, and we encourage you to spend time looking into the options available. Your Regional Manager can help to answer any additional questions and will work closely with you to determine the best options for your school and teacher.

What does it mean for a curriculum to be in pilot?

A TEALS curriculum pilot is a fully mature curriculum from a reputable provider that has been vetted by our Inclusive Learning team. However, TEALS has not had enough teaching teams use and evaluate the option to fully understand how teachers, volunteers, and students interact successfully in the classroom environment with that specific curriculum. All schools adopting a pilot curriculum will be asked to provide additional feedback to the TEALS team to help evaluate the option for future years.

What kind of hardware or software will I need to run a TEALS course?

Your CS classroom should have at least one computer per student. Each curriculum provider has different technical requirements to run their course. Remote instruction classrooms have additional hardware and software needs. Details and more information can be found in the TEALS Implementation Guide.

Are there costs associated with running a TEALS course?

TEALS does not require a program cost from their partner schools. However, there are costs associated with running a CS classroom. In addition to hardware and software costs above, some curriculum providers charge a fee to use or be trained in their curriculum. More details about costs can be found in the Implementation Guide and on the curriculum providers' websites.

My school does not follow a traditional schedule, which curricula can I adopt?

Although none of the curriculum options have an official support guide for adapting to non-traditional schedules, each partner curriculum provider supports a community of teachers to collaborate and share resources. Schools with non-traditional schedules will need to account for the added time needed to adapt the curriculum when choosing a classroom teacher. Some of the curriculum options feature lessons that students can complete at their own pace, which can be easier to adapt. More information about each curriculum option can be found in the TEALS Implementation Guide.