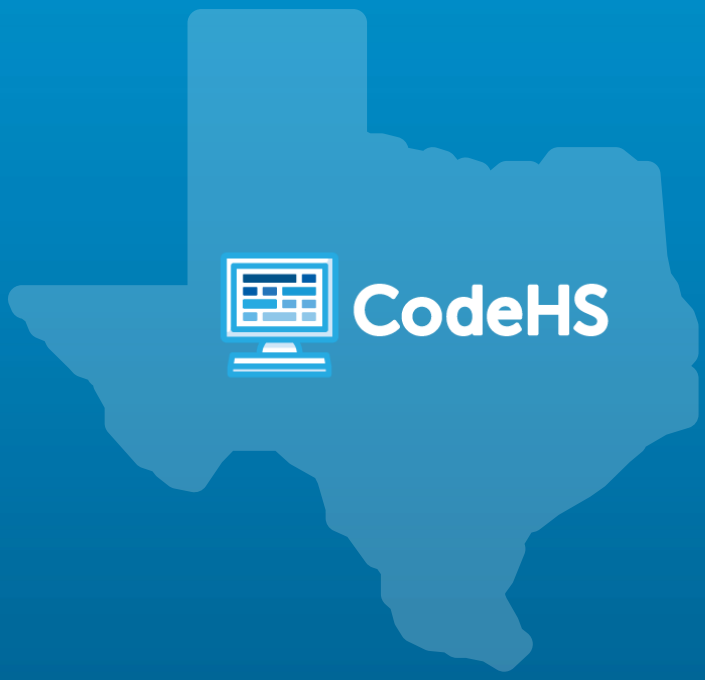

Texas Computer Science 2 Course

Created by CodeHS

hello@codehs.com

codehs.com

@codehs

Course Overview

Texas Computer Science 2

Course Summary

The Texas Computer Science 2 course is designed to foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media.

Standards Alignment

This course is 100% aligned to the Texas state standards for Computer Science 2. View the full aligned with the link below.

Course Documents	
Course Overview	codehs.com/course/tx-cs-2/overview
Course Syllabus	codehs.com/syllabus/20088
Standards Alignment	codehs.com/standards/framework/TX_CS_II/course/20088

How to Preview the Course

Go to codehs.com/login and enter the following TEA teacher credentials to preview the Texas courses on CodeHS.

TEA Teacher Account Credentials

Username: TXdemo
Password: Texas123

Navigation Guide: codehs.com/navguide

CodeHS

CodeHS Pro License

Everything you need to teach, all in one spot.

30,000+
Classrooms Using CodeHS Per Month

4 million
Students Learning to Code on CodeHS

CodeHS is a comprehensive computer science teaching platform.
We provide standard-aligned K-12 curriculum, customizable PD, and a suite of teachers tools including a coding LMS and IDE with real-time collaboration.

What's included with a CodeHS Pro License?

Access to the full CodeHS platform and curriculum including:

- Customizable Gradebook
- Fast Grade
- AI Hints & Grading Tools
- Assessment Reports
- Detailed Lesson Plans
- Online & Offline Handouts
- Real-Time Student Data
- Assignment Configuration
- Access Controls
- Due Date Settings
- Integrations for District Platforms
- Dedicated Support & more!

Learn More

If you have questions, require additional information, or would like a CodeHS demo, please reach out to us at hello@codehs.com.

Course Outline

Texas Computer Science 2

Module	Description
System Administration	Students learn the importance of application security, investigate security options, and implement user accounts to enforce authentication and authorization.
Networking Fundamentals	Students explore the structure and design of the internet and networks, and how this design affects the reliability of network communication, the security of data, and personal privacy.
Introduction to Programming in Java with Karel the Dog	Students learn the basics of java commands, control structures, and problem solving by solving puzzles with Karel.
Basic Java	Students learn the basics of the Java programming language, including printing, variables, types, and basic control structures.
Methods	Students learn how to define and test methods in their Java programs.
Classes and Object-Oriented Programming	Students learn how objects store data and interact with each other in Java programs.
Data Structures	Students learn basic data structures in Java including arrays, ArrayLists, 2 dimensional arrays and HashMaps.
Steganography Lab	Students use the code from Picture Lab to explore the concepts of steganography and 2D arrays, hiding images or text inside of other images.

Course Outline 

Texas Computer Science 2

Module	Description
Algorithms and Recursion	Students learn fundamental searching and sorting algorithms, as well as the important concept of recursion.
Celebrity Lab	Students discuss class design as it relates to the game Celebrity, where a person or team tries to guess the name of a celebrity from a given clue or set of clues.
Final Project	Students create a website of their own choosing, go through a feedback process, and learn about making their websites more accessible to a wide array of users.
Computer Science Careers	Students explore career options and learn other career readiness skills.

Questions?

Please email the CodeHS Team at hello@codehs.com.