

AP Computer Science

Local Course #: 82340

State Course ID: A3580110, A3580120

Course Description:

AP Computer Science A is equivalent to a first-semester, college-level course in computer science and is a continuation of Computer Science I. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. A

Link to TEKS:

[https://texas-sos.appianportalsgov.com/rules-and-meetings?\\$locale=en_US&interface=VIEW_TAC_SUMMARY&queryAsDate=08%2F06%2F2025&recordId=225633](https://texas-sos.appianportalsgov.com/rules-and-meetings?$locale=en_US&interface=VIEW_TAC_SUMMARY&queryAsDate=08%2F06%2F2025&recordId=225633)

First 9 Weeks Major Topics:

CS1 review

Arrays

Java Swing GUIs

Second 9 Weeks Major Topics:

ArrayLists

Sorting and Searching Algorithms

Inheritance

Third 9 Weeks Major Topics:

2D Arrays

2D array project

Recursion

Fourth 9 Weeks Major Topics:

Certification Prep

AP Exam Prep



End of year project