Advanced Computer Science Parent Guide

Advanced Computer Science will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will gain an understanding of the principles of computer science through the study of technology operations, systems, and concepts.

1st 6 Weeks: Introduction to Coding Using Scratch Scratch/Events, Input-Output, Why Program? Scratch Data and Variables – Operators, Loops, Lists Scratch/Algorithms – Lists - Blocks	**4th 6 Weeks:** Digital Citizenship Careers in Computer Science Java and Simple Algorithms: Data Types and Selection
2nd 6 Weeks: Environment Coding Using Alice Basics Alice – Variables, Loops, Functions, Events	**5th 6 Weeks:** Java and Simple Algorithms Java and Simple Algorithms Loops/Iteration Java and Simple Algorithms Strings Binary/Numerical Data Conversions in Computer Systems
3rd 6 Weeks: Typing Code Using Jeroo Basics Jeroo Methods, Ifs, Loops, Boolean	**6th 6 Weeks:** Binary/Numerical Data Conversions Robo Code/App Inventor

Questions? Please contact your course computer science teacher.