EAGLE MOUNTAIN SAGINAW ISD
Curriculum and Instruction

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.

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