

Lovejoy High School  
Mathematics & Computer Science 4-year-plan of Study

Content	9th Grade	10th Grade	11th Grade	12th Grade
Mathematics	<b>Algebra I</b> Algebra 1* <b>Algebra II</b>	<b>Geometry</b>	<b>Pre-Calculus</b> or Calculus	Pre-Calculus / Calculus or <b>AP Calculus /Calculus BC</b> <b>Or Statistics AP</b>
Science	<b>Biology Hon</b>	Physical Science* Or <b>Physics</b> Chemistry Hon	<b>Chemistry Hon</b> or AP Biology AP Chemistry or AP Environmental Science <b>Physics</b>	AP Environmental Science AP Physics or AP Chemistry or AP Biology
English	<b>Hon 9<sup>th</sup> Grade Literature</b>	<b>Hon World Literature</b>	<b>AP Language/Composition</b>	AP Literature, or Dramatic Writing/Advance Composition
Social Science	<b>AP World History</b>	<b>AP Government</b>	<b>AP U.S. History</b>	<b>AP Economics/</b> Elective(s)
Foreign Language	<b>Chinese I</b>	<b>Chinese II</b>	<b>Chinese III</b>	<b>Chinese IV</b>
Electives or other required courses	<b>Health/ Personal Fitness</b>  Fine Arts	Elective	Elective	Elective
LHS -Magnet Program	<b>Intro to Digital Technology</b>	<b>AP Computer Science Principals</b>	<b>AP Computer Science A</b>	Alternative Pathways: <ul style="list-style-type: none"> <li>• Game Design: Animation and Simulation</li> <li>• Cybersecurity</li> </ul>
Dual Enrollment Options:	Students can choose: Electives	Students can choose: Core courses	SB 2 students can choose: 2 year Degree Program	SB 2 students can choose: Certificate or Diploma Program

\*High School class taken in Middle School . Required courses are in **Bold**.

**\*SB 2 Students- Summer School is mandatory to complete the Associate Degree.**

High School Graduation Option B (SB2) is available to Georgia public high school students (O.C.G.A. 20-2-149.2). Per HB 444 of 2020, high school students designated as pursuing a high school diploma by High School Graduation Option B . (SB2) as of Spring term 2020, and received Dual Enrollment funding as an Option B (SB2) student, may continue in the Dual Enrollment funding program and are not subject to the Funding Cap.