



Lake Central High School

Cluster: STEM

Pathway: Technology

Concentration: Computer Science/Software Engineering



GRADE	SUBJECT	Required Courses for Core 40 (with Honors Diploma **)					Recommended Courses and Electives		
		English/ Language Arts	Math	Science	Social Studies	Electives	Electives	Electives	Electives
9	S1	English 9	Algebra I or Geometry	Biology	Geo/History of the World or World History	Health	PE-Gym if not taken during the summer	Computer Science I	
	Preparing for College and Careers					PE –Pool if not taken during the summer			
10	S1	English 10	Geometry or Algebra II	Integrated Chem/Physics or Chemistry or Physics	U.S. History	**Fine Arts	3 years of 1 language or 2 years of 2 languages **World Language	Computer Science II	Digital Applications and Responsibility
	**Fine Arts					Digital Applications and Responsibility			
11	S1	English 11	Algebra II or Pre-Calculus	** Physics	U.S. History	Personal Financial Responsibility	**World Language	Principles of Computer Science AP	
	Web Design								
12	S1	English 12	Pre-Calculus or Calculus or Statistics	Additional 2 credits from any other Core 40 Science	Government	**World Language	AP Computer Science	College Prep Elective	
	Economics								

Six highlighted courses are required to complete concentration

Postsecondary Courses Aligned for Potential Dual Credit**

**See individual Course Frameworks for alignment of high school course standards and postsecondary course objectives

High School Course	Postsecondary Course
Digital Applications and Responsibility	Introduction to Microcomputers
Computer Science I	Computing Logic
Computer Science II	Introduction to Software Development