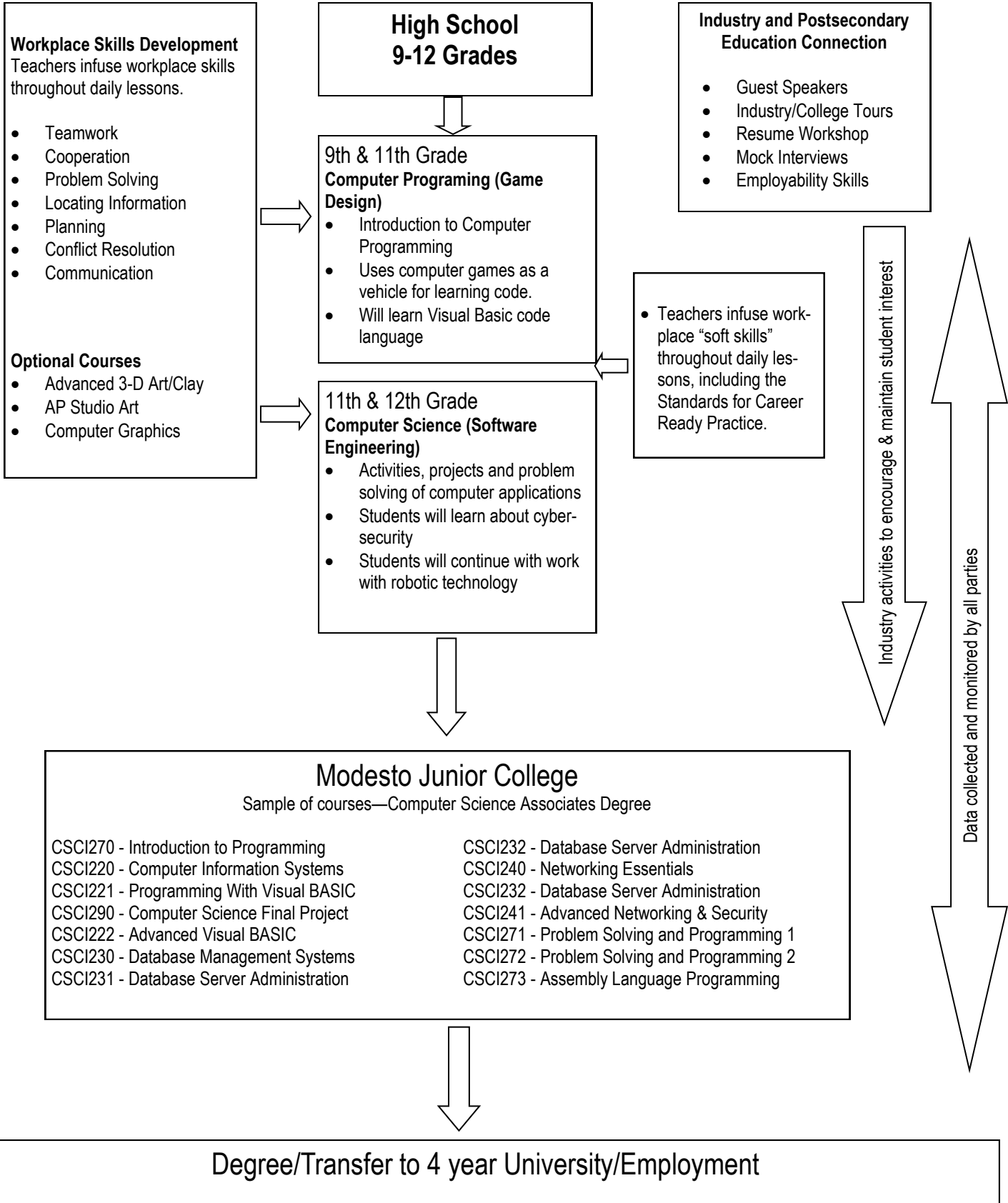


Computer Programming-Game Design (CVHS)

CTE Sector: Information & Communication Technologies—CTE Pathway: Software & Systems Development



Program of Study Worksheet

This Program of Study should be customized with course titles and appropriate high school graduation requirements as well as college entrance requirements.

Industry Sector: Information & Communication Technologies

Career Pathway: Software and Systems Development

Program of Study: Computer Programming/Game Design - Central Valley High School

This Program of Study is a formalized Tech Prep articulated pathway Yes No

LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies	Career Technical Education Courses	Other Required Courses or Recommended Electives	SAMPLE Occupations Relating to this Pathway
SECONDARY	9	English 9	Math 1 or Acc Math 1	Physics in the Universe or Biology	Human Geography	Computer Graphics		Occupations requiring less than a Baccalaureate Degree -Computer Programmer -Network Administrator -Data Communications Spec. -Tech Writer Occupations requiring a Baccalaureate Degree -Network Engineer -Software Engineer
	10	English 10	Math 2 or Acc Math 2	Biology or Chemistry	World History or European History	Advanced Digital Photo Graphics	PE Drivers Ed Health	
	11	English 11	Math 2 or Acc Math 2 or Pre- Calculus	Chemistry or Physics	US History or AP US History	Computer Programing/Computer Science and Software Engineering	Foreign Language PE	
	12	English 12	Finite Math or Pre- Calculus or AP Calculus or AP Statistics	Physics or AP Physics or Anatomy Physiology	Principles of Democracy or AP Government or Economics	Computer Programing/Computer Science and Software Engineering		
Sample of post-secondary courses at Modesto Junior College								
POSTSECONDARY	Year 13	CSCI270 - Introduction to Programming CSCI220 - Computer Information Systems CSCI221 - Programming With Visual BASIC			CSCI232 - Database Server Administration CSCI240 - Networking Essentials			
	Year 14	CSCI290 - Computer Science Final Project CSCI222 - Advanced Visual BASIC			CSCI232 - Database Server Administration CSCI241 - Advanced Networking & Security CSCI271 - Problem Solving and Programming 1			
	Year 15	CSCI230 - Database Management Systems CSCI231 - Database Server Administration			CSCI272 - Problem Solving and Programming 2 CSCI273 - Assembly Language Programming			
	Year 16							
								Industry recognized certification, licenses, or credentials related to this pathway -Computer Programming Specialist -Computer Network Tech -Computer Network Admin.

