		PROJE	C T O V E R V I E V	W	page #					
Section 1										
Name of Project:	Con	cept Modeling Duration: 6 wee								
Subject/Course:	Com	puter Science	Grade Le	vel: 11-12						
Other Subject Areas to Be Included:		Students Choice								
Section 2										
Project Idea		Students will find a client teacher outside of computer science classes, their client teacher will give them a concept from their content area. The students will then find a way to model and explain this concept with a visual and written explanation. In addition to the explanations students will need to have an interactive portion of the website which allows other students to explore the concept. Know: HTML, CSS, and incorporating Java Script into webpages Understand: how various types of information are represented on the internet and how modern technology has changed the ways that traditional information is represented. Do: Develop a website that communicates information in at least 3 ways, while working with a client.								
Driving Question	How	v can we use programing to ch	ange how information is presented in the classroom?							
Major Products &	Group:	1) Client Teacher Contra	act		1. Presentation Audience					
Performances	Group.	2) Initial Development l		X	Class					
		3) Pitch plan to class			School					
		4) Website5) Class Presentation								
	Individual:		1) Daily Performance Logs							
		2) Group Participation R		Weh						
					Other:					

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Mid-project possible products	Individual students will update a work journal about the progress they and the group are making after each class period, I will then use this to help direct and keep students on task throughout the project. This will also be used as a final assessment of how much work each student put in to the final project. Finally, this should be used such that students have a growing understanding of their work in reference to a larger project. At the end of each week each group will have a short meeting with me to explain the progress they have made the throughout the week, this meeting will be used to help direct the work for the upcoming week and keep the students accountable on the ongoing project. At the midpoint of the project (week 4) the students will have to do a progress report to their client teacher and redirect their development to best fit the goals of the teacher.								
Entry Event	Open a discussion about how computers allow us to present information in new ways but the classroom has not caught up to this. Show them how predator pray models in biology can change drastically with computational tools and brain storm other ways to apply computational tools to education. https://web.njit.edu/~matveev/Javascript/jjj.html https://www.cellsalive.com/cells/cell_model_js.htm								
Project Flow:	Week 1: Split into groups and chose client teacher Develop initial plan First report to CS Teacher on plan Short presentation to CS Class on plan Week 2: Daily Development Journals End of Week Report to CS Teacher Week 3: Daily Development Journals End of Week Report to CS Teacher Week 4: Daily Development Journals Progress Report to client teacher End of Week Report to CS Teacher Week 4: Daily Development Journals Progress Report to CS Teacher Week 5: Daily Development Journals Review Other Students projects and provide feedback End of Week Report to CS Teacher Week 6: Final Work on website Daily Development Journals Presentation to class Present to client Teacher								

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17. Assessments	Formative Assessments	Quizzes/Te	Quizzes/Tests					Practice Presentations		
	(During Project)	Journal/Le	Journal/Learning Log				X	Notes (their own notes kept in a notebook to be turned in)		
		Preliminar	Preliminary Plans/Outlines/Prototypes				X	Checklists	X	
		Rough Dra	Rough Drafts		X	Concept Maps (if needed)				
		Online Tes	Online Tests/Exams			Other:				
	Summative Assessments	Written Product(s), with rubric:					Other Product(s) or Performance(s), with rubric: Website	X		
	(End of Project)	Oral Prese	Oral Presentation, with rubric		X	Peer Evaluation Attached	X			
		Multiple C	Multiple Choice/Short Answer Test			Self-Evaluation Attached				
		Essay Test	Essay Test					Other: journal		
Resources Needed	On-site people, faci	CS Teacher, Subject Area Teacher, Computer Lab,								
	Equipment:	Computers with multiple web browsers, plan text editor (ideally notepad++)								
	Materials:	Programing Textbook, API's, Khan Academy								
	Community resour	None								
19. Reflection Methods	(Individual,	Journal/Learni	ournal/Learning Log			Х	Focus Group			
	Group, and/or Whole Class)	Whole-Class I	Whole-Class Discussion					X	Fishbowl Discussion	
		Survey				Other: (peer grading of at least 2 projects)	Х			

PROJECT OVERVIEW

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20. Optional Comments:

Talk to teachers in other departments ahead of time, and potentially come up with a list of teachers willing to fill this role this will help students in selection as well as make the project more well received in community as a whole, which is important to its success as well as that of the students.

Some Rubrics gotten from:

https://ed.fnal.gov/

http://www.readwritethink.org/files/resources/lesson_images/lesson416/OralRubric.pdf

http://www.dexform.com/download/peer-evaluation-form-5

http://webers.wikispaces.com/file/view/Website_Rubric.pdf (modified)