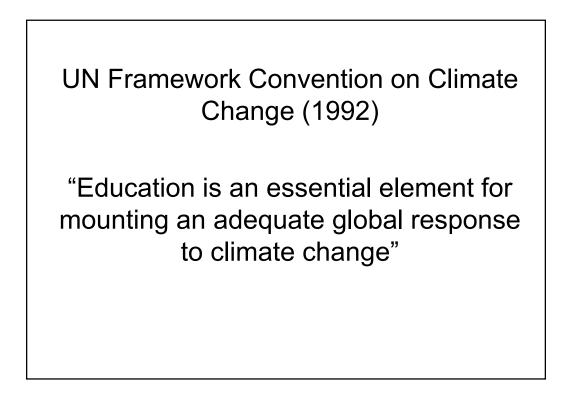
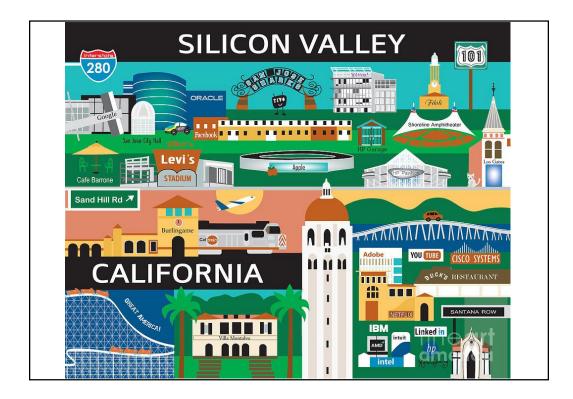


Eugene Cordero, Diana Centeno, Elizabeth Walsh^{1,2} Anne Marie Todd³

¹Department of Meteorology and Climate Science ²Science Education ³Department of Communication Studies San José State University, California



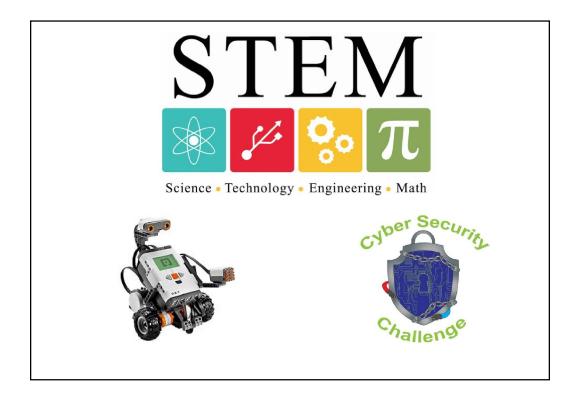


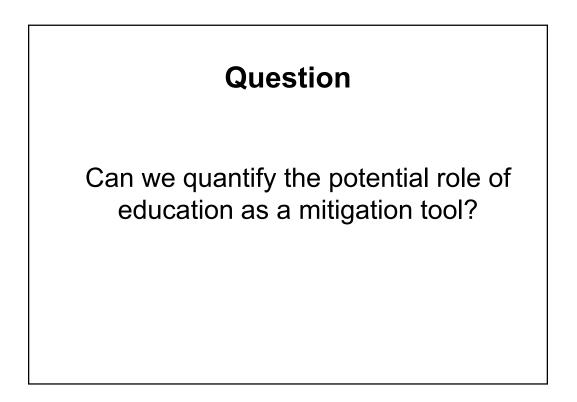








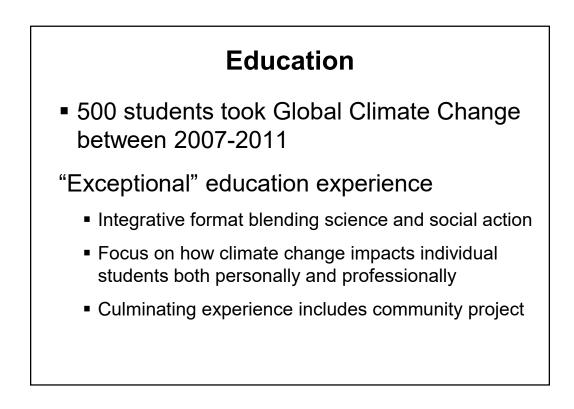








COMM 168A/B Global Climate Change (2007) Scientific and social scientific approaches to the process and effects of global climate change: Climate changes in the Earth's past, interactions between climate and life, anthropogenic climate change, socioeconomic contexts of environmental effects, cultural influences on climate change mitigation strategies.

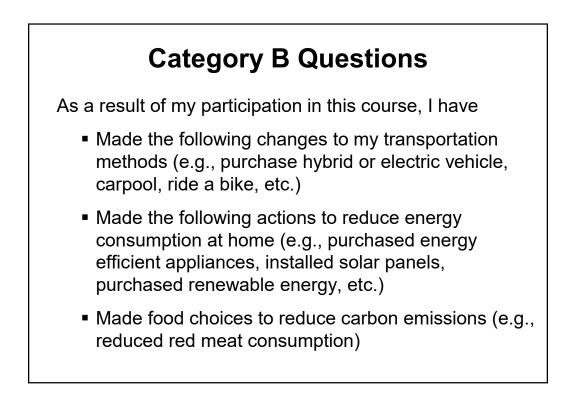


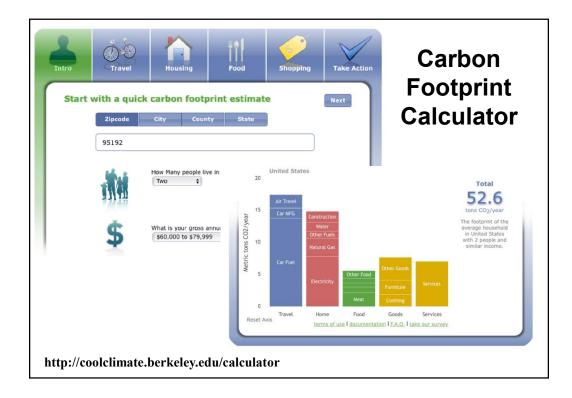
Survey

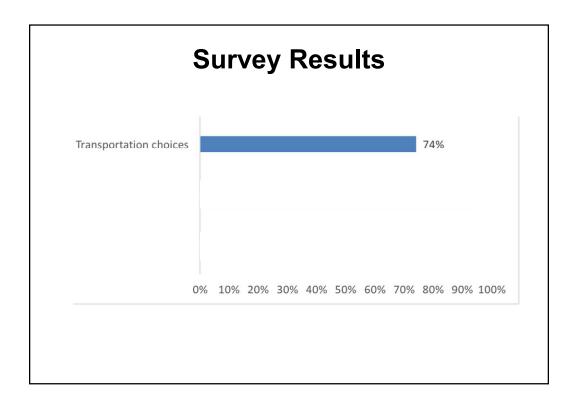
- 20-item questionnaire
- Two categories of questions
 - A: Course engagement and climate literacy
 - B: Behavior change attributed to class

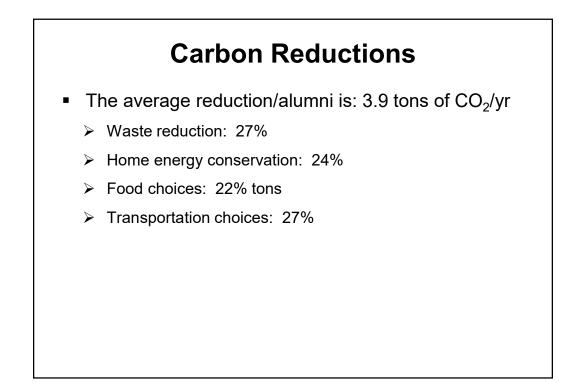
Results (Category A Questions)

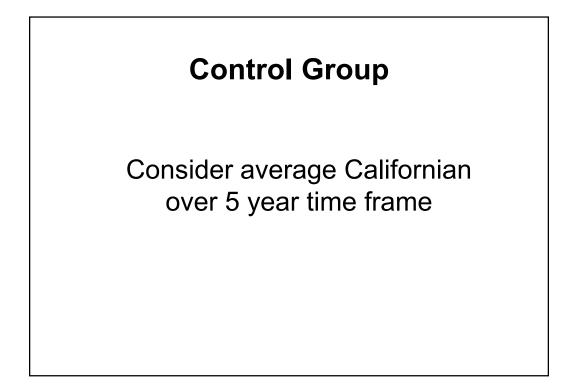
- 96% of alumni would recommend the class to their friends
- 80% strongly agree or agree that they have personally experienced the effects of climate change
- 66% think that individual actions can make a difference in reducing climate change
- 74% think that humans can reduce climate change if we change our behavior

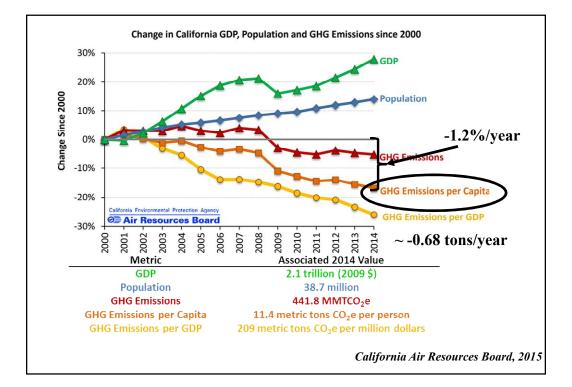








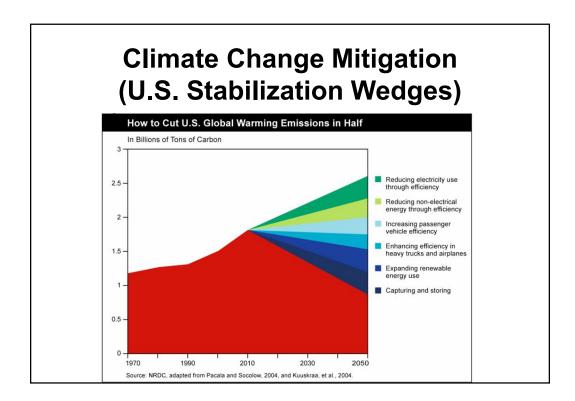


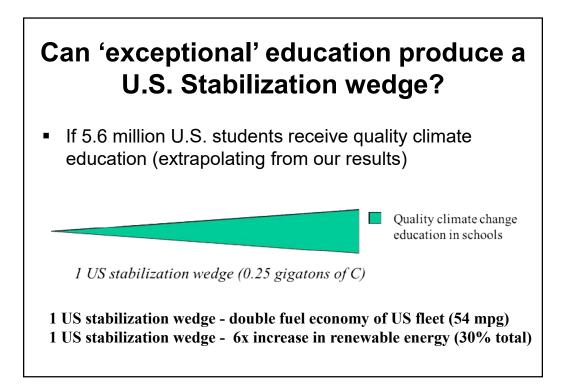


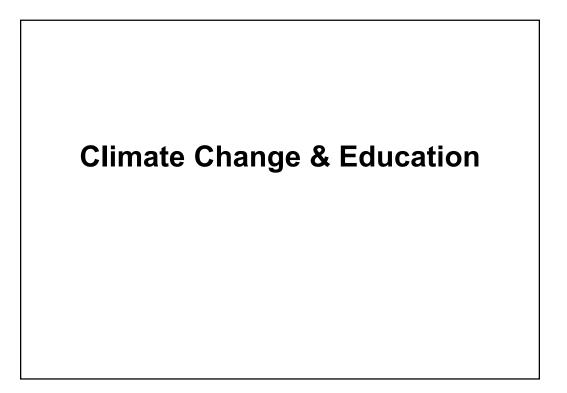
Results

168 Class: Reduction of 3.9 tons of CO_2 /year

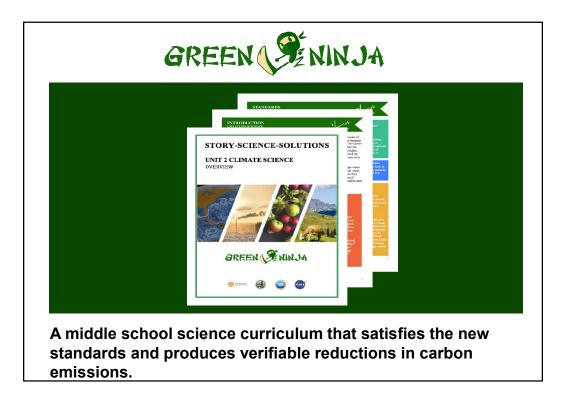
California: Reduction of 0.68 tons of CO_2 /year

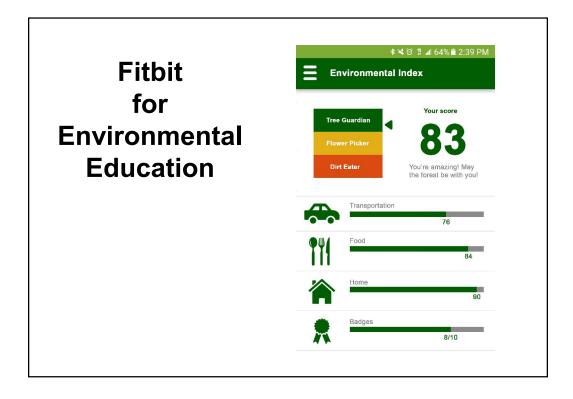


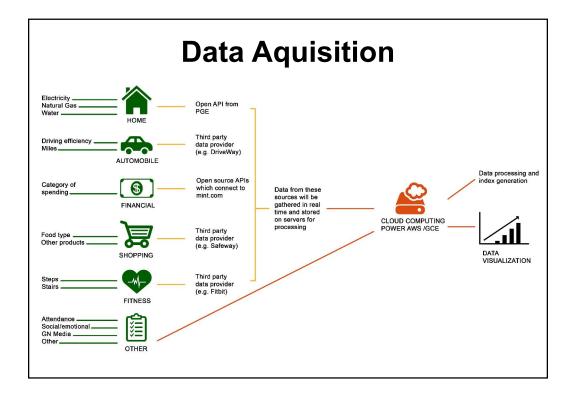




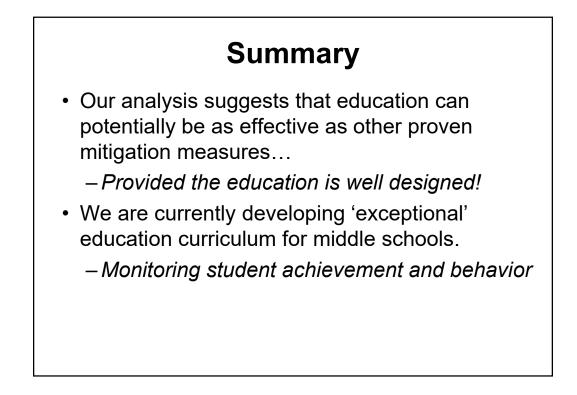








GREEN NINJA Class Data Data Log Individual Log			Welcome back, Ms. Centeno	
Class Average Student Engagement				Student Engagement Comparison
High Med	\sim	Daily Student Engagement Medium - High	Block 1	
Low Last month Medium				Block 2
6/1 6/2 6/3 6/4	6/5 6/6 6/7 6/8 6/9	6/10 6/11 6/12 6/13		Block 3
Attendance	Social Emotional	GN Media	Environment	Student Comparison
\frown	•	Films Games	00	B1. Kelly N. B1. Greg B. E I - 96 EI - <mark>34</mark>
		Completion Rate	83	B2. James M. B2. Angela W. El - 93 El - 23
Daily Student Attendance 93%		Puzzles Films 76% Games 33 Puzzles 96%	Last week 78	B3. Julio C. B3. Vivian D. El - 98 El - <mark>28</mark>



Thank You!

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Green Ninja: www.greenninja.org

