

Names of Lead Contact: Kristina Camacho

Additional Participants: none

Lead Contact Email: kcamacho@petk12.org

School Name: Petaluma High School

Grade Level(s): 9/10 Honors Biology and 11/12 AP Environmental Science

Course: 9/10 Honors Biology and 11/12 AP Environmental Science

Name of Project: Environmental Health in our Watershed (Petaluma High)

Implementation Timeline:

3/2/17 Activity: California water map studies (surface & ground) , Activity: Watershed Pre Assessment

3/8/17 Activity: Rock Porosity Lab (groundwater)

3/10/17: Activity: Lab: Groundwater Study (relationship between surface water pollutants & groundwater)

3/27/17: Lab: Sewage Treatment in a Bottle (In preparation for our field trip to Ellis Creek Water Treatment

3/29/17: Lab: Oil Spill and Clean-Up (In preparation for our field trip to Ellis Creek Water Treatment)

3/31/17 : Field Trip Ellis Creek Water Recycling Facility 3890 Cypress Dr. Pet. 94954

4/26/17 Activity: Speaker from FPR to introduce David Yearsley Center FT, Students Complete Petaluma River Prep APES: <https://goo.gl/AJEZdh>

Activity: Petaluma River Watershed Atlas & Timeline Exploration: <https://goo.gl/mfqB2D> , Introduce Project: <https://goo.gl/liW0mZ>

(links are to docs used for this curriculum)

5/2/17 Activity: Continue APES Petaluma River Project outline "Your Watershed Classroom Showcase Project Outline: AP Environmental Science" <https://goo.gl/4Q0svu> (link is to docs used for this curriculum)

5/4/17 Activity: Field Study at River/Steamer Landing Park

5/8/17 Activity: Complete Post Assessment and presentation of watershed projects

Briefly describe some highlights of what you feel went well with last year's project.: The students really got into the project after visiting the Ellis Creek Water Treatment Center, David Yearsley center and Steamer Landing Park. I believe that giving the students choice in the projects they designed for the showcase helped them buy in and take it personal.

Now briefly describe some areas in which you encountered obstacles or feel last year's project could be improved on.: We had technical trouble doing the assessment online. Our network blocked the student access to the maps on the site from student ipads.

I would love to find resources to help support our bus cost for our 3/31/17 Field Trip to Ellis Creek Water Recycling Facility 3890 Cypress Dr. Pet. 94954. The bus cost for this trip is: \$216.

Provide a brief (100 word max) description of how you will strengthen your curriculum proposal based on these experiences. Include if there is a change to the Essential Question, Key Learning Objectives, or the way curriculum will integrate the three core concepts of Geoliteracy (interaction, interconnections, implications). : I will get ahead of the technical issues - getting help from our tech team early on.

Please describe any changes taking place in the following areas of curriculum. If there are no intended changes to a particular curricular area, please indicate "no change." : No Change

Content Standards: No Change

Fieldwork activities involving the Petaluma River/Wetlands: No Change

Reading and Writing Tasks : No Change

How students attain CA Core Curriculum Skills through the integration of media sources, media skills, and collaboration: No Change

How students demonstrate their acquisition of new knowledge and skills or how students will present their learning to the public: No Change

For the 2015-16 school year we have added an online evaluation for students to participate in pre- and post-curriculum implementation. How will you incorporate this evaluation into your implementation plan?:

3/2/17 Activity: Watershed Pre Assessment

5/8/17 Activity: Complete Post Assessment