



# Quantum Leap Voyages

## CLIMATE CHANGE TRAVEL LOG



Mentors Maria and Ricardo

STUDENT NAME	EMAIL ADDRESS	START DATE:  END DATE:
<p><b>“The mission of this exploration is to make the student aware of the PATHWAYS to career success!”</b>  <b>Your responses to each adventure should be three or more sentences!</b></p>		
<b>PATHWAY 1 HIGH SCHOOL STEP #1 CLASSES &amp; CLUBS</b>	What classes are available in your school to help Maria and Ricardo explore climate change? What <a href="#">Career and Technical Education</a> courses are available? List the courses from both groups.	
<b>STEP #2 - STEM CLUB</b>	Does your school have a STEM or Science Club? How can you start one?	
<b>STEP #3 - GRETA THUNBERG, TEENAGE CLIMATE CHANGE ACTIVIST</b>	Watch <a href="#">video</a> . Do you agree with Greta’s VISION for climate change? What is your vision? Please explain.	
<b>STEP #4 - STEM CLUB PRESENTATION</b>	Maria’s and Ricardo decided to join the school’s STEM Club. Their teacher suggests that they prepare to present about climate change at one of their future STEM meetings. Help them find the answers to these six Big Questions. Go to <a href="#">Climate Change Kids</a>	
<ol style="list-style-type: none"> <li>1. What is Climate Change?</li> <li>2. Why is carbon important?</li> <li>3. What is the greenhouse effect?</li> <li>4. How do we know the climate is changing?</li> <li>5. What is happening in the ocean?</li> <li>6. What else do we need to find out?</li> </ol>		



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<p><b>PATHWAY 2 HIGH SCHOOL SUMMER ADVENTURES</b></p> <p><b>STEP #5 (re)SEARCH</b></p>	<p>Do a little research...use your Internet's search engine to find programs in your community, county or city that relate to pollution cleanup or ways to improve the environment. Inquire how you can get involved. Record a list of resources.</p>
<p><b>STEP #6 - NEW YORK STATE PARKS &amp; TRAILS</b></p>	<p>Canal Clean Sweep and I love My Park Day. Consider volunteering to help maintain part of the Canalway Trail. Maria and Ricardo would like to know what other opportunities you found interesting after exploring <a href="#">New York State Parks &amp; Trails</a>?</p>
<p><b>STEP #7 – AMERICAN MUSEUM OF NATURAL HISTORY</b></p>	<p>Explore the <a href="#">AMNH</a> articles and blogs, you will discover a wealth of insight about Climate Change. Share some of your findings. Have they increased your desire to learn and do more?</p>
<p><b>STEP #8 OCEANS &amp; SEA LIFE LI AQUARIUM &amp; LI SOUND STUDY</b></p>	<p>Ricardo and a few school mates signed up to a STEM camp through one of the local colleges. The first outing will be at the <a href="#">Long Island Aquarium</a> in Riverhead. Exploring aquariums are a great way to see how climate change affects our oceans and its inhabitants. <a href="#">The Long Island Sound Study</a> is looking into volunteers to help protect the sound. Explore opportunities to protect the ocean and sea life. Log what you learned about the aquarium and LI Sound Study.</p>



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<b>PATHWAY 3 COLLEGE STEP #9 - MARIA REVIEWS COURSES</b>	Go to <a href="#">SUNY Suffolk</a> . What courses do think Maria would enjoy the most? Will you also enjoy taking these classes? Explain your thoughts.
<b>STEP #10 - MARIA EXPLORES CLUBS</b>	Research on-campus clubs at SCC <a href="#">Student Organization Database</a> . Two top choices are: Environmental Alliance Club and the Environmental Awareness, Action & Sustainability clubs. What are your top choices and why?
<b>STEP #11 - RICARDO CHOOSES A FOUR-YEAR COLLEGE</b>	Ricardo visits <a href="#">SUNY College at Syracuse Ranger School</a> . He is interested in their Environmental Science/Forestry program. Record your thoughts about Ricardo's career path. Would you also consider this opportunity? Why?
<b>STEP #12 - RICARDO CHOOSES CLUBS</b>	Ricardo chooses two clubs: Engineering for a Sustainable Society and Environmental Resources Engineering. What value do you think these organizations and club will help Ricardo during his time in college and in his profession?



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<b>PATHWAY 4 COLLEGE SUMMER ACTIVITIES</b> <b>STEP #13 – FINDING SUMMER INTERNSHIPS</b>	Let's help Ricardo and Maria. Record your findings. 1. Check with your town's web page to see if internships are listed. 2. Check with your county's website for summer internships. 3. For New York State opportunities, look at the <a href="#">Indeed's site</a> .
<b>STEP #14 - MORE EXCITING INTERNSHIP OPPORTUNITIES!</b>	<a href="#">Internship opportunities with New York State</a> . Choose a few internships Maria and Ricardo should consider. What would you choose and why? Which was your favorite internship and why?
<b>STEP #15 – INTERNSHIPS: ENVIRONMENTAL PROTECTION AGENCY   US EPA</b>	1. Explore the <a href="#">EPA Website</a> . 2. Describe why you think Ricardo has found a good source for an internship he is interested in? 3. What internship do you think would be fun and of value to his career path?
<b>STEP #16 - CITIZENS CLIMATE LOBBY</b>	1. Has Maria made a good choice in joining the <a href="#">Citizens Climate Lobby</a> as a volunteer? 2. Explain how networking in this lobby group will give her exposure in the field where she will seek employment?





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Congratulations on completing the voyage of career pathways for Climate Change! Please summarize your experiences in the reflections below.

## STEP #20 – REFLECTION: IS THIS A CAREER PATHWAY FOR YOU? Watch video: [Environmental Specialist](#)

1. Have you taken some of the high school courses you need to take to get yourself started on the pathway?
2. Which summer activity are you eager to take in order to validate your interest in this career field?
3. What “Life-long” learning options pathway will you take upon leaving high school? You can choose among full time employment, apprenticeships, armed services and post-secondary education which are all sound choices.
4. If applicable, what college major and courses would you choose to study at a two-year or four-year college?
5. What summer activities are you eager to explore to increase your success chances of entering the field of employment after completion of high school or college?
6. When ready what full-time employment opportunities will you choose?
7. Which apprenticeship program(s) would you join for on-the-job training leading to full-time employment?
8. What military service would you consider for “FREE” education and training in the field you would like to pursue?
9. Did you enjoy this career pathway adventure and why?
10. Would you like to try another career pathway voyage?