



CREATING CALIFORNIA'S ROADMAP TO EDUCATING FOR A GREEN AND BLUE ECONOMY

The Green Career Innovation Hub of the California Environmental Literacy Initiative (CAELI) proposes the creation of a Roadmap – a data-driven strategic plan to secure equitable access for TK–16 students to the high-growth, high-quality green and blue careers essential to a sustainable future.

WHY WE NEED A ROADMAP

The Roadmap will provide actionable recommendations for enhancing TK-career education and workforce development strategies that lead to well-supported, equitable pathways into green and blue careers.



Policy goals in California are driving the demand for a skilled sustainability workforce.



California education policy supports teaching the science of climate change and green career skills, but there is no clear, coordinated statewide action to implement these policies.



California's Environmental Principles and Concepts have not been incorporated into the state's TK-12 Career Technical Education Model Curriculum Standards, slowing down the development of occupational training and pathway programs.



86% of U.S. teachers believe climate change should be taught in schools, but only 42% do (according to an NPR/Ipsos poll).



With jobs that require green skills increasing 8% annually over the past five years, but green talent growing by just 6%, a skills gap will develop by 2026 (according to Business Insider in 2022).



There is an urgent need for coordinated planning and collaboration between educational systems, policymakers, and green and blue industry leaders to fill gaps between labor market needs, education policy, and career training.

HOW WE WILL CREATE THE ROADMAP

The Green Career Innovation Hub of the California Environmental Literacy Initiative is leading the development of the Roadmap. The Hub includes statewide leaders in the TK-12 and college systems, educators, employers, community-based partners, and organized labor who can facilitate pathways into quality green and blue careers. This working group will engage similar statewide partners and policymakers in the development and implementation of the Roadmap, which will provide:



A definition of quality green and blue jobs



A labor market supply and demand gap analysis



A plan to prepare the next generation of green and blue professionals



A guide for high-quality programming for teachers and students



Coordination and alignment between policymakers, industry, and workforce education organizations



A plan to engage and center marginalized communities

Having a statewide roadmap will serve as a starting point to align and streamline the various investments, programs, and activities happening across California. It ensures that all students have equitable access to the thousands of high-quality green and blue careers being created over the next decade.

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