



Program Name: LiMPETS Program

Program Website: www.limpets.org

Program Contact: Hannah Sarver

Email: sarver@pgmuseum.org

Locations: California



Project Summary:

LiMPETS (Long-term Monitoring Program and Experiential Training for Students) is an environmental citizen science and education program for students, educators, and volunteer groups. This hands-on program monitors the coastal ecosystem of California's National Marine Sanctuaries to increase awareness and stewardship of these important areas.

LiMPETS conducts Rocky Intertidal Monitoring and Sandy Beach Monitoring. Both programs provide authentic, in-field monitoring experiences that empower teachers, students, and the community to conduct real science and become ocean stewards. Annually, over 6,000 teachers and students in California participate in the collection of intertidal data using the LiMPETS protocols.

Potential for application to the following STEM concepts:

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| <input checked="" type="checkbox"/> Biology/Ecology | <input checked="" type="checkbox"/> Measurement and Scale |
| <input type="checkbox"/> Physics | <input checked="" type="checkbox"/> Precision/Accuracy |
| <input type="checkbox"/> Chemistry | <input checked="" type="checkbox"/> Statistical Analysis and Patterns |
| <input type="checkbox"/> Earth Sciences | <input checked="" type="checkbox"/> Graphing Trends |
| <input checked="" type="checkbox"/> Cause and effect | <input checked="" type="checkbox"/> Stability and change |
| <input checked="" type="checkbox"/> Hypothesis testing | <input type="checkbox"/> Other: _____ |

Requirements of Participation

Time/Physical Commitment: 2 class periods and anywhere from 1-3 hours for monitoring field trip (does not include travel time)

Tools Needed: In-class training tools available on the LiMPETS website, field trip equipment provided by LiMPETS

Target Age for *Independent* Participation: Not an independent program, it is for 6th through 12th grade students

Other Requirements:

Teachers **MUST** attend a teacher workshop to participate in LiMPETS programs. Sandy beach monitoring workshop is hosted in the fall and rocky intertidal monitoring workshop is hosted in the spring of each school year.