Oceanography in the Formal and Informal Classroom

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The TOPEX/Poseidon and Jason-1 ocean altimeter missions offer the educator in the middle school or informal education venue a unique opportunity for reinforcing ocean science studies. An educational poster from NASA's Jet Propulsion Laboratory and France's Centre National d'Etudes Spatiales provide teachers and students a tool to examine topics such as the dynamics of ocean circulation, ocean research, and the oceans' role in climate.

This educational poster is being developed as a joint JPL/CNES effort. "Oceans' Music: Climate's Dance" highlights the ocean-climate link and provides educational activities that can be used directly in the classroom. The eye-catching poster is appropriate for display in both the formal and informal education setting. In both venues it should stimulate conversation about the ocean and provide a point of entry into inquiry-based learning about the connections between ocean circulation and global climate. It also seeks to emphasize the role of the ocean in sustaining life on Earth. Activities on the back of the poster can be used as supplemental material in a middle school Earth science curriculum, and are suitable for individual instruction and for classroom or group exercises. This poster will be published in both English and French.

Educational research indicates that an inquiry-based method of student engagement is an appropriate and effective teaching tool. This poster offers a fun and instructive environment to promote student interest in Earth Science in general and particularly in oceanography.
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Highlights
- Joint product published in French and English
- Ocean-climate-life connection
- Hands-on activities
- Electronic resources