

Using the scientific ocean drilling online databases at school

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The International Ocean Discovery Program (IODP) Research Themes – Climate, Deep Life, Planetary Dynamics and Natural Hazards – are well known by the secondary school teachers.

These subjects constitute the main axis to teach geosciences at high schools.

However, often these themes are still taught in a rather traditional way.

The ocean drilling data obtained during each expedition are archived and available on-line (see <http://web.iodp.tamu.edu/OVERVIEW>). One can find a broad array of data (descriptive information, core photos and digital images, magnetism, physical properties,...) which could be used for educational purposes. Thus, teachers have a great opportunity to use authentic research data in their lectures.

As science teachers, but also serving as Education Officers during Expeditions IODP 339 and 345, we have explored the Janus and LIMS databases to test the use of ocean drilling data in the classroom. We will show some examples of use of data such as the physical properties, visual core description, core photos and thin section images. We will show especially how these data can be used to develop hands-on activities and make a direct connection with the world's most successful scientific research program.