Exploring Trophic Cascades with HHMI BioInteractive

Alabama Science Teachers’ Association 2019

Presented By
Ryan Reardon
Science Instructor_Jefferson County International Baccalaureate
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Today’s objective is to use a simple card sort to help students make connections within communities and across communities. *(IOW...)*

“It’s a phenomenon that is both local, and global.”

-- Dr. Robert Paine
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Trophic Cascades have their break out moment...

**WHOLE-LAKE FERTILIZATION EFFECTS ON DISTRIBUTION OF PRIMARY PRODUCTION BETWEEN BENTHIC AND PELAGIC HABITATS**

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**Abstract.** The perception that primary production in lakes is positively related to phosphorus loading is based almost entirely on studies of phytoplankton. This is partly because benthic and pelagic habitats in lakes are often treated as separate ecosystems, the processes of which can be evaluated independently. However, light and nutrients often limit primary producers in both benthic and pelagic habitats. We tested the hypothesis that reductions in
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Let’s Play!
Let’s Perturb the system!
Final Thoughts and Evaluation