Astrobiology for Knowledge Transfer

Aaron Price
Tufts University
USA
aaron.price@tufts.edu

For over a century educators have been debating the issue of knowledge transfer, whether concepts learned in one domain can transfer to another. Research in the last few decades has found that successful transfer is remarkably rare in education, especially in science and mathematics. Astrobiology as a domain may offer an opportunity for successful knowledge transfer due to its inherent multidisciplinary nature. This presentation will cover the current state of transfer research in the sciences and offer a proposal, with ready-to-use curriculum examples, to test whether astrobiology can be used to improve transfer in science education.