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Scaling the Investigative Science Learning Environment (ISLE) Online

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I will share my experiences and lessons learned implementing the Investigative Science Learning Environment (ISLE) approach in a large online introductory class of hundreds of students. The ISLE approach is based on two intentionalities (Brookes, Etkina, & Planinsic 2020): (1) We want students to learn physics by thinking like physicists; by engaging in knowledge-generating activities that mimic the actual practices of physics and using the reasoning tools that physicists use when constructing and applying knowledge. (2) The way in which students learn physics should enhance their well-being.

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