



Project Title: Developing learner-centric activities to promote interdisciplinary engagement in the Science One program

Project Summary (*150 words maximum*)

- (1) The applicants have a Skylight development grant to develop large-scale interdisciplinary case studies for the Science One program. In conjunction with these case studies, we propose to take some of the 4-hour lecture blocks in the students' time-table and transform them into an interdisciplinary flipped-classroom setting. A major support for student learning will rely on a series of 10-20 minute "lecture-casts" that we propose to develop and upload to Connect. Students will watch these lecture-casts in conjunction with readings. They will then come prepared to tackle the large case studies in lecture.
- (2) We have access to an alumni group of over 430 prior Science One students. We propose to design and implement a survey that will give us insight into the long-term implications of the Science One experience. Feedback from alumni will help us focus our efforts for part (1) above.