Dear Teachers,

As part of our effort to ensure quality STEM learning experiences, we invite you to participate in this mini-survey for our Ocean Acidification (OA) module. Mini-surveys are a short survey (1-3 minutes) that students and teachers will use several times over the course of the module. The questions are identical each time, so the same link can be used each time.

This survey is completely voluntary. If completed, it will provide us with valuable feedback. Your name will not be associated with your answers and all responses will be reported in aggregate. We do not ask for any demographic information. Your responses will not affect your standing with ISB or your grades.

**STUDENT MINI-SURVEY**

- [Student Mini-survey link](https://www.surveymonkey.com/r/OA_StudentSurvey) (link address)

Please provide **2-4 minutes for students** to complete the mini-survey while in class. It should take most students one minute or so, especially after the first survey or two (because the questions remain the same).

In the survey, the students will be prompted to think of the “last two lessons” when answering questions. In some cases, they will have completed two lessons (such as Lesson 1 - Critical and Systems Evaluation of News Articles and Lesson 2 - Exploring CO₂). In other cases, they will have only completed one lesson which has extended across multiple days (such as with Lesson 3, 4, 5 and 6). Prior to having students complete each survey timepoint, please briefly remind them of the lessons they should have in mind when answering the survey questions. We have included examples of words you can use to remind them at each timepoint in the table below.

Please complete the teacher version while students are taking the mini-survey, or at the end of the day. Please take it on the same day the students take theirs.

**TEACHER MINI-SURVEY**

- [Teacher Mini-survey link](https://www.surveymonkey.com/r/OA_TeacherSurvey) (link address)

(TIMELINE on next page)

Thank you!
The SEE Team
| Survey timepoint 1 | At the end of Lesson 2 | Example prompt for students: Take this survey while thinking of the lessons we completed on [Monday and Tuesday] that allowed you to:  
● evaluate and map news articles and  
● work in the lab to make and detect carbon dioxide. |
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| Survey timepoint 2 | At the end of Lesson 3 | Example prompt for students: Take this survey while thinking of the lessons we completed on [Wednesday and Thursday] that allowed you to:  
● watch a video and PowerPoint on OA and  
● evaluate whether OA is something that requires a systems approach |
| Survey timepoint 3 | At the end of Lesson 4 | Example prompt for students: Take this survey while thinking of the lessons we completed on [Friday and Monday] that allowed you to:  
● plan with your interest group to  
● develop your experimental question, hypothesis and procedure |
| Survey timepoint 4 | At the end of Lesson 5  Please complete this survey when all of Lesson 5 is complete. This may include 5a, 5b and/or 5c depending on what you chose to complete. | Example prompt for students: Take this survey while thinking of the lessons we completed on [Tuesday through Friday] that allowed you to:  
● work on your experiment,  
● use online data, websites, videos, and  
● use models to further explore and understand OA |
| Survey timepoint 5 | At the end of Lesson 6  (which is also the end of the module) | Example prompt for students: Take this survey while thinking of the lessons we completed on [Monday through Tuesday] that allowed you to:  
● plan and present your work and recommendations at a mock global summit |