ISEA is excited to pilot a new station this spring entitled 'Great Lakes Challenge.' We've incorporated the most up-to-date information on the health of the Great Lakes from the binational [report on the State of the Great Lakes](#) into a hands-on, student-led experience into our NextGen Schoolship program. Students will be challenged to use their background knowledge to hypothesize the health of each Great Lake, then share with one another what scientists know about the positive and negative impacts human behaviors are having on each lake.

What we need from you is an excited adult(s) willing to play the role of 'Challenge Chancellor' during your sail. We'll provide a small packet of tools to ensure success, including a stopwatch (for the challenge), simple instructions, and a script that can act as a support for the role. This person(s) can be identified the day of the sail - ISEA staff will connect with them prior to boarding the ship. The role is simply to ensure that the students stay on schedule as they work themselves through the challenge, and to ensure the challenge is reset between groups. ISEA staff will support this adult participant role and the groups as they interact with the challenge.

Standards this new station supports:
4-ESS2-2: Analyze and interpret data from maps to describe patterns of Earth's features
5-ESS2-1: Develop a model using an example to describe ways the geosphere, biosphere, hydrosphere, and/or atmosphere interact in Michigan and the Great Lakes Basin
5-ESS3-1: Obtain and combine information about ways individual communities use science ideas to protect the Earth's resources and environment
MS-LS2-4: Construct an argument supported by empirical evidence that changes to physical or biological components of an ecosystem affect populations
MS-ESS3-4: Construct an argument supported by evidence for how increases in human population and per-capita consumption of natural resources impact Earth's systems

This station also addresses [Great Lakes Literacy Principles](#), especially these:
GLLP 2: Natural forces formed the Great Lakes; the lakes continue to shape the features of their watershed
GLLP 5: The Great Lakes support a broad diversity of life and ecosystems
GLLP 6: The Great Lakes and humans in their watersheds are inextricably interconnected