

**Extreme Heat: Science, Society and Solutions**

Participants will explore place-based, hands-on activities designed to engage diverse students in learning about the science and social implications of extreme heat and the urban heat island effect through an environmental justice lens. Featured activities invite students to use sensors to explore microclimates on their school campus; explore maps of heat, environmental factors and demographic indicators to identify people and places most vulnerable to extreme heat; and take action to address extreme heat in their communities. Participants will explore these solutions-focused, ready-to-implement lessons that include literacy integrations and options for differentiation across grade level and content area.

**Presentation Target:**

High School

**Presenter(s):**

1. Emma Refvem, 6-12 Science Specialist, Durham Public Schools
2. Dana Haine, K-12 Science Education Manager, Center for Public Engagement with Science, UNC Chapel Hill Institute for the Environment
3. Imani Vincent, Education Fellow, Museum of Life and Science