

# **POGIL Earth and Space Activities Designed to Support the NGSS\***

## **Table of Contents**

Acknowledgements

Read This First! Making Effective Use of These Activities

How These Activities Support the NGSS\*

Recommended Sequences of Activities

### **Introductory Activities**

**IntroActivity 1** - Exploring Roles Used in POGIL Teams

**IntroActivity 2** - Inferring Experimental Design from Data Tables

### **Earth Science Activities**

**ESSActivity 1** - You Rock! How Are Different Kinds of Rocks Made?

**ESSActivity 2** - Earth's Layered Structure

**ESSActivity 3** - Movement Inside the Earth (Plate Tectonics)

**ESSActivity 4** - To Shake or Not to Shake? Exploring How Earthquakes Behave

**ESSActivity 5** - Where are Tectonic Plate Boundaries Located?

**ESSActivity 6** - Shuffling the Continents (Pangaea → Present day location of continents)

**ESSActivity 7** - Forecasting Natural Catastrophes

**ESSActivity 8** - Human Impacts on Drinking Water Quality

### **Space Science Activities**

**ESSActivity 9** - Comparing Objects in the Solar System

**ESSActivity 10** - Life Cycles of Stars

\* NGSS and Next Generation Science Standards are registered trademarks of Achieve. Neither Achieve nor the lead states and partners that developed the Next Generation Science Standards was involved in the production of, and does not endorse, this product.