

# American Geosciences Institute

## Geoscientist Outreach Initiative

### Sample Workshop Agenda: Creating Meaningful Experiences in School Settings

<u>Time</u>	<u>Topic</u>	<u>Details</u>
9:00 – 9:20	<b>Introductions</b>	AGI staff and participants introduce themselves. Agenda is presented and goals of the workshop discussed.
9:20 – 10:10	<b>Activity:</b> The pleasure of finding things out	Participants explore mystery boxes and try to determine what is inside with the use of only a few simple tools.
10:10 – 10:40	<b>Discussion:</b> Past Experiences & Real-world Phenomena	Participants share a little bit more about themselves as they describe to the group, their backgrounds and any outreach experiences they have had in the past. AGI staff then lead a discussion about using “phenomena” to engage learners.
10:40 – 10:55	Break	
10:55 – 11:25	<b>Activity:</b> Predict, Observe, Explain (POE) model	Participants take part in a short activity to experience a basic lesson structure (POE) using batteries, wires, and light bulbs. Participants brainstorm how this type of quick activity could be made specific to geoscience.
11:25 – 12:00	<b>Discussion:</b> Instructional Design 1	AGI staff lead a discussion about curriculum standards, such as the Next Generation Science Standards, and strategies for beginning to design an outreach presentation.
12:00 – 1:00	Lunch / Break	
1:00 – 1:45	<b>Activity:</b> Checking your Language	Participants work in groups to explore how various levels of interaction—description, questioning, idea sharing—affect meaning-making.
1:45 – 2:30	<b>Activity:</b> Geoscience-specific Activity 1	The specific activity done will depend on focus areas of group. The intent is to model investigation practices appropriate for K-12 learners.
2:30 – 2:45	Break	
2:45 – 3:30	<b>Activity:</b> Geoscience-specific Activity 2	Model K-12 investigation practices.
3:30 – 3:50	<b>Discussion:</b> Questioning Strategies	AGI staff lead a discussion on effective questioning strategies in the context of K-12 investigations.
3:50 – 4:00	<b>Closing</b>	Closing remarks and surveys/feedback.