THEGLOBEPROGRAM

GLOBE Trainer Candidate Workshop Observation Form

To be completed by a current GLOBE Mentor Trainer conducting an observation of a GLOBE Trainer Candidate. To be completed in English and on this form.

Information

Candidate Trainer Name: _____

GLOBE Mentor Trainer Name: _____

Date of Observation: _____

Method of Observation

☐ In-person.   ☐ Virtual (i.e. ZOOM, etc.)   ☐ Recorded

Investigation Area(s) (check all that apply):
If listing more than one Training sphere, give evidence **for each sphere** below.

☐ **Atmosphere**   ☐ **Biosphere**   ☐ **Hydrosphere**   ☐ **Pedosphere**

Candidate Trainer Demonstrated Ability

Describe the Candidate's performance using the items listed under each category. Select "yes" if the candidate is proficient, "no" if not proficient or "N/A" is the skill is not applicable or not observed.

Understanding the Use and Functionalities of the Website

1. Knows how to use the Data Visualization and ADAT tool.
   ☐ Yes ☐ No ☐ N/A

2. Knows how to create student and teacher accounts.
   ☐ Yes ☐ No ☐ N/A

3. Knows how to set sites for data collection.
   ☐ Yes ☐ No ☐ N/A

4. Knows how to customize a personal page profile.
   ☐ Yes ☐ No ☐ N/A

5. Knows how to use the Workshop Administration tool.
   ☐ Yes ☐ No ☐ N/A

   Notes/Recommendations:

Understanding and Correct Performance of Protocols

1. Knows all site requirements, frequency of measurements, correct fieldwork/sampling/laboratory techniques, correct use of instruments and instrument specifications in Teacher's Guide, and calibration techniques.
☐ Yes ☐ No ☐ N/A

2. Discusses common Sources of error and how to address them.
☐ Yes ☐ No ☐ N/A

3. Implements all safety procedures (gloves, goggles, correct waste disposal, etc.).
☐ Yes ☐ No ☐ N/A

Notes/Recommendations:

Uses Inquiry in Training

1. Asks questions that are open-ended and require participants to think.
☐ Yes ☐ No ☐ N/A

2. Places the protocols and their data in the context of an inquiry conducted by the trainees.
☐ Yes ☐ No ☐ N/A

3. Provides suggestions of possible student individual or group investigations or asks participants to generate suggestions.
☐ Yes ☐ No ☐ N/A

4. Uses questioning as a tool to help participants use prior knowledge to reach new understandings.
☐ Yes ☐ No ☐ N/A

5. Sees their role during the lesson as a "moderator" or "coach" and not an authority figure.
☐ Yes ☐ No ☐ N/A

6. Guides participants to ask their own questions about the study site/region at which any fieldwork will be done.
☐ Yes ☐ No ☐ N/A

7. Guides participants to make predictions about the study site/region at which any fieldwork will be done and asks them to explain predictions. (Explanations make the class process- and mechanism-oriented, instead of only information-oriented.)
☐ Yes ☐ No ☐ N/A

8. Uses field observations as a tool to answer participant-owned questions.
☐ Yes ☐ No ☐ N/A

Notes/Recommendations:

Understands Training in the Context of Science Research Process

1. Engages trainees through their observations of nature.
   ☐ Yes ☐ No ☐ N/A

2. Discusses questions that may be answered using the protocols and how to turn these into good, testable hypotheses.
   ☐ Yes ☐ No ☐ N/A

3. Ensures that each trainee does the steps required to take the data.
   ☐ Yes ☐ No ☐ N/A

4. Understand basic techniques for analyzing protocol data.
   ☐ Yes ☐ No ☐ N/A

5. Uses the GLOBE website, including visualizations, in data analysis.
   ☐ Yes ☐ No ☐ N/A

6. Has trainees discuss their results.
   ☐ Yes ☐ No ☐ N/A

   Notes/Recommendations:

Presentation and Delivery

1. Speaks loudly, and clearly and is heard and understood by all participants.
   ☐ Yes ☐ No ☐ N/A

2. Effectively engages trainees during the on-going activities and discussion and meets their needs.
   ☐ Yes ☐ No ☐ N/A

3. Listens to participants' answers and shows they are listening (patient and waits until participants answer, listens to complete answer, asks follow-up questions).
   ☐ Yes ☐ No ☐ N/A

4. Creates a classroom in which participants talk frequently, and are enthusiastic/engaged.
   ☐ Yes ☐ No ☐ N/A

5. Uses both visual and verbal media in the classroom.
   ☐ Yes ☐ No ☐ N/A

6. Accommodates multiple trainee languages and levels of fluency.
   ☐ Yes ☐ No ☐ N/A

   Notes/Recommendations:

Data Recording, Reporting, Visualizing, and Downloading

1. Ensures that all participants have copies of all required GLOBE Data Sheets for their investigation.
   ☐ Yes ☐ No ☐ N/A

2. Ensures participants have viewed and read Data Sheets before going outdoors (refers to Data Sheets during each lesson and uses them to help teach protocols).
   ☐ Yes ☐ No ☐ N/A

3. Makes sure all participants write observations on GLOBE Data Sheets during field/lab work.
   ☐ Yes ☐ No ☐ N/A

4. Guides participants to submit data using effective methods (Website, Observer App, etc.)
   ☐ Yes ☐ No ☐ N/A

5. Guides participants through the GLOBE visualization tools.
   ☐ Yes ☐ No ☐ N/A

6. Is up to date with online applications, mobile apps, and web pages.
   ☐ Yes ☐ No ☐ N/A

7. Clearly explains legends and axes labels of maps and graphs, and data search parameters.
   ☐ Yes ☐ No ☐ N/A

8. Explains and has trainees explore data tables and download some data.
   ☐ Yes ☐ No ☐ N/A

9. Demonstrates the use of spreadsheets and Google tools to manipulate and analyze data.
   ☐ Yes ☐ No ☐ N/As

   Notes/Recommendations: