

CLIMATE CHANGE COLLECTION SCORECARD

Date: 2/21/05

Reviewer: Robert Croft

Name of resource: The Greenhouse Effect in a Jar

Sponsoring Organization: The Franklin Institute

URL: http://sln.fi.edu/tfi/activity/earth/earth-5.html

Site Homepage: _____

RESOURCE WITHIN A SITE? **Y** / N

FOUND THROUGH DLESE? **Y** / N

RECOMMENDATION YES **YES WITH RESERVATIONS** NO

STARS 1 2 **3** **4** 5 (LAME TO STELLAR)

NARRATIVE (USE OTHER SIDE IF NEEDED)

This is a good activity to teach in a concrete way what the greenhouse effect is. However for most middle school situations, teachers teach multiple classes and the volume/space for set up needed to conduct such a lab with all classes is the problem. The activity itself is not the problem.

INTENDED USE

REFERENCE

COMPUTER ACTIVITY

NON-COMPUTER ACTIVITY

EDUCATOR, **LEARNER** OR BOTH (CIRCLE)

BEGINNER OR ADVANCED (CIRCLE)

BUGS & TECHNICAL DIFFICULTIES (PROBLEMATIC TO ROBUST)

1 2 3 **4**

COMMENTS: Very basic website without other links.

FACTUAL ERROS/OMISSIONS (NATIONAL ENQUIRER TO NATIONAL GEOGRAPHIC)

1 2 **3** 4

COMMENTS: I do not know if this is the best method to teach about the greenhouse effect. Here I would have to rely on those with better knowledge of the facts than I.

PEDAGOGCAL INFORMATION

REFERENCE ONLY

TEACHER GUIDE

MATERIALS LIST

ASSESSMENT STRATEGIES

TIMEFRAME PROVIDED

STANDARDS ALIGNMENT

PROMOTES STUDENT LEARNING (WEAK TO STRONG)

1 2 **3** 4

COMMENTS: It is a good data collecting activity that promotes hands-on learning and discussion of the concept of Greenhouse effect.

APPROPRIATE/EFFECTIVE MULTIMEDIA DESIGN (WEAK TO STRONG)

1 2 **3** 4

COMMENTS: Very basic website without any drawings detailing the lab setup.

VISUAL APPEAL (WEAK TO STRONG)

1 2 **3** 4

COMMENTS:

TEACHING TIPS: ANNOTATION DESCRIBING HOW SITE COULD BE USED OR ADAPTED FOR CLASSROOM:

Atmosphere is much more complex than that described or is lead to believe with this activity. Caution needs to be taken by the teacher to ensure that this activity does not over simplify the concept of greenhouse effect. This can be done through the class discussion of the activity.

RECOMMENDATION: ANNOTATION DESCRIBING HOW THE DEVELOPER COULD IMPROVE THE SITE.