

CLIMATE CHANGE COLLECTION SCORECARD

Date: February 21, 2005

Reviewer: Kirsten Butcher

Name of resource: Earth Exploration Toolkit: Exploring Regional Differences in Climate Change

Sponsoring Organization: Earth Exploration Toolkit (SERC)

URL: <http://serc.carleton.edu/eet/climate/index.html>

Site Homepage: <http://serc.carleton.edu/eet/index.html>

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

FOUND THROUGH DLESE? **Y** / N

IF SO, WHICH COLLECTIONS? Earth Exploration Toolkit (EET), Community Review System (CRS)

RECOMMENDATION **YES** YES WITH RESERVATIONS NO

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

NARRATIVE (USE OTHER SIDE IF NEEDED)

- Excellent use of visual images to support step-by-step activity instructions.
- Well documented activity, including timeframe, standards, and other teaching notes.
- High-level activity is indicated as appropriate for college students and advanced high school classes. Planning ahead will be necessary to order data and educators will need to familiarize themselves with the process of data analysis to support students.
- Authentic inquiry activity with real data is a useful academic exercise for advanced students.

INTENDED USE

☐ REFERENCE

☒ COMPUTER ACTIVITY

☐ NON-COMPUTER ACTIVITY

EDUCATOR, LEARNER OR BOTH (CIRCLE) IF FOR LEARNER, EVIDENCE ITS BEEN TESTED? Y / N
BEGINNER OR ADVANCED (CIRCLE)

Easily Printed? Y / N

BUGS & TECHNICAL DIFFICULTIES (PROBLEMATIC TO ROBUST)

1 2 3 **4**

COMMENTS – Didn't find any difficulties with the site, but part of its robustness will depend upon the continued availability of links contained in the materials.

SCIENTIFIC ACCURACY- FACTUAL ERRORS/OMISSIONS (NATIONAL ENQUIRER TO NATIONAL GEOGRAPHIC)

1 2 3 **4**

EVIDENCE IT HAS BEEN REVIEWED FOR ACCURACY? Y / **N**

COMMENTS – Students will be working with real data. So the activity is authentic, allowing exploration, discovery, and interpretation.

PEDAGOGICAL INFORMATION

☐ REFERENCE ONLY

☒ TEACHER GUIDE

☒ MATERIALS LIST

☒ ASSESSMENT STRATEGIES

☒ TIMEFRAME PROVIDED

☒ STANDARDS ALIGNMENT INDICATED

PROMOTES STUDENT LEARNING (WEAK TO STRONG)

1 2 3 **4**

COMMENTS – Step-by-step instructions appear clear and well-designed. Students will work with real data using relatively authentic methods; thus, there is a large potential for student learning but educators will need to plan ahead (for data ordering), become familiarized with the methods, and provide strong support for students in the accurate application of methods and analysis of findings. There is a large burden on the educators (this is not plug-and-play educational technology) but it offers great opportunity for authentic science learning.

APPROPRIATE/EFFECTIVE MULTIMEDIA DESIGN (WEAK TO STRONG)

1 2 3 **4**

COMMENTS – Exercise uses multimedia resources (online data, spreadsheet software, etc) and the instructions include ample visual examples to fully support accurate replication of the methods.

VISUAL APPEAL (WEAK TO STRONG)

1 2 **3** 4

COMMENTS – Although the site is relatively plain, text is not overwhelming and is visually organized. Instructions include necessary visual examples, and navigation within the materials is easily accomplished.

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

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

- Increased support of assessment activities for beginning educators in the area.
- Printable instructions in PDF format

Revised 12/3/04