

CLIMATE CHANGE COLLECTION SCORECARD

Date: 4/26/05

Reviewer: Carrie Morrill

Name of resource: Global Climate Change

Sponsoring Organization: Exploring the Environment, Classroom of the Future

URL: <http://www.cotf.edu/ete/modules/climate/GCmain.html>

Site Homepage: <http://www.cotf.edu/>

RESOURCE WITHIN A SITE? Y / N

FOUND THROUGH DLESE? Y / N

IF SO, WHICH COLLECTIONS? DLESE Community Collection, CRS Annotated Collection

RECOMMENDATION YES YES WITH RESERVATIONS NO

STARS 1 2 3 4 5 (LAME TO STELLAR)

NARRATIVE: Using the Problem Based Learning (PBL) approach, students research whether yields of hard-red winter wheat in Kansas are expected to increase or decrease over the next 50 years. Clear description of the PBL approach and lots of information for students to sift through for their research.

INTENDED USE

 REFERENCE

X COMPUTER ACTIVITY

 NON-COMPUTER ACTIVITY

EDUCATOR OR LEARNER OR BOTH IF FOR LEARNER, EVIDENCE ITS BEEN TESTED? Y / N

BEGINNER OR ADVANCED OR BOTH

Easily Printed? Y / N

BUGS & TECHNICAL DIFFICULTIES (PROBLEMATIC TO ROBUST)

1 2 3 4

COMMENTS: Some links broken.

SCIENTIFIC ACCURACY (NATIONAL ENQUIRER TO NATIONAL GEOGRAPHIC)

1 2 3 4

EVIDENCE IT HAS BEEN REVIEWED FOR ACCURACY? Y / N

COMMENTS: Collaboration with NASA. The explanation of the greenhouse effect is one of the most accurate I've read in educational resources. One exception is the sentence: "When the light reflects off Earth's surface, it is transformed to longwave radiation." This is incorrect, reflected light is still shortwave radiation. Longwave radiation is produced when the Earth's surface absorbs shortwave and emits longwave. I'm puzzled why one section is labeled "Remote Sensing" when it is not about remote sensing.

PEDAGOGICAL INFORMATION

 REFERENCE ONLY

X TEACHER GUIDE

X MATERIALS LIST

X ASSESSMENT STRATEGIES

X TIMEFRAME PROVIDED

X STANDARDS ALIGNMENT

PROMOTES STUDENT LEARNING (WEAK TO STRONG)

1 2 3 4

COMMENTS: The PBL approach seems like a good way to address a complicated question.

APPROPRIATE/EFFECTIVE MULTIMEDIA DESIGN (WEAK TO STRONG)

1 2 3 4

COMMENTS: There is lots of redundant information among the different sections. This mimics real research.

VISUAL APPEAL (WEAK TO STRONG)

1 2 3 4

TEACHING TIPS: A good open-ended project. Could be used as an individual research project.

RECOMMENDATIONS FOR DEVELOPER: See scientific accuracy comments above. Fix broken links.