

# CLIMATE CHANGE COLLECTION SCORECARD

Date: 3/10/05

Reviewer: Carrie Morrill

Name of resource: Children's misconceptions about the weather

Sponsoring Organization: Laura Henriques, Cal State University, Long Beach

URL: <http://www.csulb.edu/~lhenriqu/NARST2000.htm>

Site Homepage: <http://www.csulb.edu/~lhenriqu/>

RESOURCE WITHIN A SITE? Y / N

FOUND THROUGH DLESE? Y / N

IF SO, WHICH COLLECTIONS?

RECOMMENDATION YES YES WITH RESERVATIONS NO

STARS 1 2 3 4 5 (LAME TO STELLAR)

NARRATIVE A paper presented by Laura Henriques at the annual meeting of the National Association of Research in Science Teaching. It is focused on the physical aspects of weather and climate (phase changes, mass, density, heat, energy) but also has some information about climate change. The tables of common misconceptions are well-organized and easy to understand.

## INTENDED USE

X REFERENCE

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: Simple text page, links work.

SCIENTIFIC ACCURACY (NATIONAL ENQUIRER TO NATIONAL GEOGRAPHIC)

1 2 3 4

EVIDENCE IT HAS BEEN REVIEWED FOR ACCURACY? Y / N

COMMENTS: I disagree somewhat that the statement "Snow and ice make it cold" is incorrect. It is true that cold temperatures are the cause of snow and ice. Once snow and ice exist, though, they cause an increase in albedo that can perpetuate the cold temperatures.

## PEDAGOGICAL INFORMATION

X REFERENCE ONLY

TEACHER GUIDE

MATERIALS LIST

ASSESSMENT STRATEGIES

TIMEFRAME PROVIDED

STANDARDS ALIGNMENT

PROMOTES STUDENT LEARNING (WEAK TO STRONG)

1 2 3 4

COMMENTS: Clear explanations. Discussion of the source of misconceptions is useful.

APPROPRIATE/EFFECTIVE MULTIMEDIA DESIGN (WEAK TO STRONG)

1 2 3 4

COMMENTS: Just a text page, but the tables help the design.

VISUAL APPEAL (WEAK TO STRONG)

1 2 3 4

COMMENTS: Text with very little formatting.

TEACHING TIPS: A good resource to read before beginning a unit on the physical aspects of weather and climate.

RECOMMENDATIONS FOR DEVELOPER: Add a nicely-formatted pdf file that is easy to print.