

Resources on Common Student Misconceptions

The following Web sites describe student misconceptions that will help you identify and correct the erroneous ideas your students may have about a topic.

American Association for the Advancement of Science

<http://assessment.aaas.org/topics>

A site with sections on different science topics. Subtopics, along with core concepts, list common misconceptions among middle school and high school students.

Children's Misconceptions about Science

www.amasci.com/miscon/opphys.html

A list of hundreds of misconceptions arranged by scientific topic.

Children's Misconceptions about Weather: A Review of the Literature

www.csulb.edu/~lhenriqu/NARST2000.htm

An article that contrasts correct concepts with student misconceptions about weather.

Common Science Misconceptions

<http://newyorkscienceteacher.com/sci/pages/miscon/subject-index.php>

A set of links organized by scientific disciplines that link to lists of common misconceptions among students.

Earth Science Misconceptions

<http://k12s.phast.umass.edu/~nasa/misconceptions.html>

Lists of common misconceptions about Earth science held by people of all ages, from kindergarten students through adults.

Science Misconceptions Podcast

<http://scienceinquirer.wikispaces.com/misconception>

A collection of multiple-choice and true-false questions designed to test science misconceptions.