

When Weather Collides

Date: 3/10/00

Goal/ Aim/ Objective(s):	Essential Academic Learnings:
1. SWBAT: describe types of air masses, where they originate and how they move 2. SWBAT: explain what fronts are 3. SWBAT: make connections between high & low pressure & good and bad weather 4. SWBAT: accurately read newspaper weather maps	Science 1.2: describe the components & relationships of the earth system 1.3: understand that interactions within & among systems cause changes in matter 2.2: record & report observations, explanations & conclusions Communication 1.1: focus attention 1.2: listen & observe to gain & interpret information 3.1: use language to interact effectively and responsibly with others 3.2: work cooperatively as a member of a group 3.3: seek agreement & solutions through discussion Reading 2.1: students will build vocabulary through reading 3.1: read to learn new information 3.2: read to perform a task Writing: 2.2: write for different purposes Geography: 1.1: use and construct maps

How will the learning be assessed?

Oral Assessment: Students will be orally quizzed throughout the lesson to ensure that they understand the concepts (goal 1, communication 1.1)

Weather worksheet: 5 points possible

Students will read and complete a worksheet on air masses and fronts. (goals 1&2, earl communication 1.1, 1.2, reading 2.1, 3.1, 3.2)

Group work: students will be visually assessed & coached on proper group behavior (earl communication 1.1, 3.1, 3.2, 3.3)

Newspaper weather activity: 15 points possible

Students will work in groups of 4 to interpret a newspaper weather diagram. Students will locate fronts, air masses, and areas of high & low pressure and precipitation. Students will then answer questions – defining weather terms and interpreting the map. Students will be assessed on whether or not they can correctly identify components of weather maps & on if they can make inferences and draw conclusions (goals 1-4, earlrs science 1.2, 1.3, 2.2, reading 3.1, 3.2, writing 2.2, geography 1.1)

Resources and Materials: air masses & fronts worksheet, newspaper weather maps, transparencies, markers

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