



**International Center
for Leadership
in Education**



Gold Seal Lesson:

Copernicus Education Gateway

<i>Author(s): Doris Quick</i>			<i>Lesson Title: Where Should We Move?</i>			
<i>Grade Span</i>			<i>ICLE Application Model</i>			
<i>K-4</i>	<i>5-8</i> <i>X</i>	<i>9-12</i>	<i>A</i>	<i>B</i>	<i>C</i>	<i>D</i> <i>X</i>

Instructional Focus:

Science in Personal and Social Perspectives

Students apply scientific principles to personal and social issues.

Communication

Students communicate and apply scientific concepts

Performance Task

Molly's father works for a large industrial firm. As a part of the firm's downsizing, he is being transferred to another location in the United States. He has his choice of relocating to either a coastal region or a mountainous region. Molly's younger brother Toby has asthma. Molly's mother asks Molly to research the two types of regions to see if one region would be better than the other for Toby, and, if one is, to explain to her why.

Pretend that you are Molly and do the research that Molly's mother requests. In your science journal, write a complete report. Be sure that it is accurate, clear, and thorough.

ICLE Essential Skills

Understand gas exchange - the function of breathing, cellular respiration, the respiration system and related disorders such as bronchitis, asthma, lung cancer, etc. S41

Present information in well-organized fashion that will be clear to the target audience. E11

Gather information from a variety of sources, including electronic sources, and summarize, analyze, and evaluate its use for a report. E3

Scoring Guide:

- 4** The student demonstrates a clear understanding of the respiratory system. His/her explanation is clear, accurate, and shows an understanding of the relationship between asthma and the respiratory system. The student can accurately project the effect of altitude on the asthmatic condition. The written report is complete and accurate.
- 3** The student demonstrates a clear understanding of the respiratory system, but does not show a complete understanding of the relationship between asthma and the respiratory system. He/she indicates an awareness of the effect of altitude on the asthmatic condition, but is unable to state that effect clearly. The written report is complete, but contains some inaccuracies.
- 2** The student gives a complete and accurate explanations of asthma, but its relationship with the respiratory system is incomplete and/or incorrect. The effect of altitude on the asthmatic condition is incorrect. The written report is incomplete and contains incorrect information.
- 1** The student gives neither a complete nor accurate explanation of asthma. Its relationship with the respiratory system is missing or unclear. No mention is made of the effect of altitude on the asthmatic condition. The written report is poorly composed, incoherent, and fails to address the task.

Keywords

English Language Arts	Mathematics	Science
Reading <i>Research</i>	Algebra	Earth Science
Writing <i>Technical Writing</i>	Geometry	Life Science <i>Disease</i> <i>Health</i> <i>Human Body</i> <i>Respiration</i>
Communications	Statistics	Chemistry
Literature	Calculus	Physics
Other	Trigonometry	Other
	Other	