

Spinning Earth Pre-Assessment Rubric

LT: Identify evidence of how the rotation of the Earth deflects surface winds – which creates the global wind patterns.

Category	4-Advanced	3-Profficient	2-Partially Proficient	1-Unsatisfactory
Drawings/ Captions	<p>___ Exceptional detail</p> <p>___ Exceptional use of color for communication</p> <p>___ Additional captions which add to the understanding of the demonstration</p> <p>Example: The ball that was rolled on the board deflected more than the ball thrown through the air.</p>	<p>Drawing clearly illustrates the system used to demonstrate deflection to the right.</p> <p>___ Color is used for clarification.</p> <p>___ All parts are labeled</p> <p>Captions help explain procedure and scientific explanation included in demonstration</p> <p>___ Direction Earth spins</p> <p>___ Outside of the merry go round represents</p> <p>___ Inside of the merry go round represents ...</p> <p>___ The ping pong ball always deflected to</p>	<p>One of the criteria for the 3-Proficient response is missing or incomplete.</p>	<p>Two or more of the criteria for the 3-Proficient response are missing or incomplete</p>
Summary Paragraph 1 Results of Air Deflection	<p>___ Discussion includes additional insights relevant to the topic:</p> <p>Example: Explain how this model explains (or does not explain) the jet stream.</p>	<p>___ Clear description of deflection caused by spinning.</p> <p>___ Clearly statether the merry go round explains the doldrums.</p> <p>___ The trade winds blow from ... because ...</p> <p>___ The westerlies blow from ...because ...</p> <p>___ The polar easterlies blow ... because ...</p>	<p>One of the criteria for the 3-Proficient response is missing or incomplete.</p>	<p>Two or more of the criteria for the 3-Proficient response are missing or incomplete</p>
Summary Paragraph 2 Convection	<p>___ Discussion includes additional insight relevant to the topic:</p>	<p>Paragraph explains the convection current that occurs between the equator and 30°N</p>	<p>One of the criteria for the 3-Proficient response is missing or incomplete.</p>	<p>Two or more of the criteria for the 3-Proficient response are missing or incomplete</p>