

Generic SWH Process Scoring Guide (Hand et al. 2009).

Generic SWH Process Scoring Guide	Needs Work (0 pts.) Absent	Making Progress (1pt.) Inadequate Criteria included but no explanation	Good (2 pts.) Complete 1 point for including the criteria; 2 nd point for explanation
Questions: Are the questions raised testable? Do the students use prior knowledge when raising questions?			
Tests: Are the independent/ dependent variables identified? Is the mode of data collection clearly identified? Is the procedure for the investigation clearly identified?			
Claim based on observations: Was the data recorded accurately? Is the claim appropriate for the question? Is the claim based on the data collected?			
Reading (Check with the Experts): Is the source reliable? Did the student compare their claim with what is scientifically agreed upon?			
Reflection (revised claim): Does the student explain why their beginning ideas have or have not changed? Do they provide evidence based on data collected and reading?			

<p>Writing: Is the student writing appropriate for the intended audience? Does the student use multiple modes of writing to express their understanding of the science Content? (e.g., Pictures, graphs, charts, etc.) Are the auxiliary modes of communication (e.g., pictures, graphs, charts, etc.) appropriately embedded in the text? Does the student use proper grammar and punctuation?</p>			
<p>Content: The motion of an object can be described by its position, direction of motion, and speed.</p>			
<p>Content: An object that is not being subjected to a force will continue to move at a constant speed and in a straight line.</p>			
<p>Content: Unbalanced forces will cause changes in the speed or direction of an objects' motion.</p>			
<p>Content: An object at rest has balanced forces acting on it.</p>			