

**6<sup>th</sup> Grade Science  
Prioritizing Worksheet**

**Standard: 1            Nature of Science (SC.S.6.1)**

- Demonstrate an understanding of the history of science and the evolution of scientific knowledge.
- Demonstrate an understanding of science as a human endeavor encompassing the contributions of diverse cultures and scientists.
- Demonstrate an understanding of the characteristics of a scientist.
- Demonstrate skills of scientific inquiry.

	<b>Essential</b>	<b>Important</b>	<b>Compact</b>
<b>SC.O.6.1.1</b> Realize that scientists formulate and test their explanations of nature using observation and experiments.			<b>X</b>
<b>SC.O.6.1.2</b> Recognize scientific knowledge is subject to modification as new scientific information challenges current explanations.			<b>X</b>
<b>SC.O.6.1.3</b> Examine the careers and contributions of men and women of diverse cultures to the development of science.			<b>X</b>
<b>SC.O.6.1.4</b> Compare and contrast the historical significance of scientific discoveries.			<b>X</b>
<b>SC.O.6.1.5</b> Cooperate and collaborate to ask questions, design and conduct investigations to find answers and solve problems.		<b>X</b>	
<b>SC.O.6.1.6</b> Formulate conclusions through close observations, logical reasoning, objectivity, perseverance and integrity in data collection.		<b>X</b>	
<b>SC.O.6.1.7</b> Apply skepticism, careful methods, logical reasoning and creativity in investigating the observable universe.		<b>X</b>	
<b>SC.O.6.1.8</b> Use a variety of technologies and scientific instruments to conduct explorations, investigations and experiments of the natural world.		<b>X</b>	
<b>SC.O.6.1.9</b> Demonstrate safe techniques for handling, manipulating and caring for science materials, equipment, natural specimens and living organisms.		<b>X</b>	
<b>SC.O.6.1.10</b> Utilize experimentation to demonstrate scientific processes and thinking skills (e.g., formulating questions, predicting, forming hypotheses, quantifying, or identifying dependent and independent variables).		<b>X</b>	
<b>SC.O.6.1.11</b> Construct and use charts, graphs and tables to organize, display, interpret, analyze and explain data.		<b>X</b>	
<b>SC.O.6.1.12</b> Use inferential reasoning to make logical conclusions from collected data.		<b>X</b>	