

# Standards-Based Learning Rubric Explanation

**HS-ESS3** Construct an explanation based on evidence for how the occurrence of natural hazards, and changes in climate has influenced human activity.

Analyze geoscience data and the results from global climate models to make an evidence-based forecast of the current rate of global or regional climate change and associated future impacts to Earth systems.

Use a computational representation to illustrate the relationships among Earth systems and how those relationships are being modified due to human activity.

Score	Description	Additional Notes:
<b>4</b>	<b>In addition to a 3.0 score, the student demonstrates in-depth inference and applications such as:</b> <ul style="list-style-type: none"> <li><i>I can provide evidence using climate data, climate models and scientific literature that support my view that an ice age will/will not occur in the "near" future.</i></li> </ul>	
<b>3.5</b>	<b><i>In addition to 3.0 score, the student demonstrates in-depth inferences and applications with partial success.</i></b>	
<b>3</b>	<b>While engaged in grade appropriate tasks, the student demonstrates and ability to:</b> <ul style="list-style-type: none"> <li><i>I can provide evidence using climate data, climate models and scientific literature that supports the view that climate has been modified due to human activity.</i></li> <li><i>I can construct an explanation based on evidence for how the occurrence of natural hazards and changes in climate has influenced human activity.</i></li> </ul> <b>No major errors or omissions with level 2 or 3 elements.</b>	
<b>2.5</b>	<b>The student demonstrates no major errors or omissions regarding the 2.0 elements and partial knowledge of 3.0 elements.</b>	
<b>2</b>	<b>The student demonstrates no major errors or omissions regarding the simpler details and processes such as:</b> <ul style="list-style-type: none"> <li><i>I know what climate is and the basic factors that influence</i></li> </ul> <b>However, there are major errors or omissions with level 3 elements.</b>	
<b>1.5</b>	<b>The student demonstrates understanding of all 2.0 elements with help and independent understanding of 2.0 elements.</b>	
<b>1</b>	<b>With help, the student demonstrates understanding of all 2.0 elements or some 2.0 and 3.0 elements.</b>	
<b>.5</b>	<b>The student demonstrates understanding of some level 2 elements.</b>	
<b>0</b>	<b>Even With Help demonstrates no understanding or skill.</b>	