

### Science Instruction Observation Form

Educator Name: Ms. Rivers

Supervisor Name: Dr. Dalton

Observation Date: 2/28/15

Observation Time/Duration: 10am

Intended Observation Focus: Analyzing + interpreting data

NGSS Practices Which practices are observed?		
<u>Investigation Practices</u>	<u>Sensemaking Practices</u>	<u>Critiquing Practices</u>
<input type="checkbox"/> 1. Asking Questions	<input type="checkbox"/> 2. Developing and Using Models	<input type="checkbox"/> 7. Engaging in Argument from Evidence
<input type="checkbox"/> 3. Planning and Carrying Out Investigations	<input checked="" type="checkbox"/> 4. Analyzing and Interpreting Data	<input type="checkbox"/> 8. Obtaining, Evaluating, and Communicating Information
<input type="checkbox"/> 5. Using Mathematics and Computational Thinking	<input type="checkbox"/> 6. Constructing Explanations	

Observation Evidence What are the educator and students saying and doing?
<p>- Teacher introduces data table of location of earthquake, amount of destruction, hardness of ground.</p> <ul style="list-style-type: none"> <li>- Explains scale of earthquake destruction</li> <li>- Asks for students to identify destruction level of 1st earthquake on table</li> <li>- Student accurately relates high (#8) to being a destructive earthquake</li> </ul> <p>- Teacher provides steps to follow to analyze data table w/ earth quake destruction levels + ground levels of hardness</p> <ul style="list-style-type: none"> <li>- Students begin to recognize patterns</li> <li>- Teacher calls on students to summarize patterns</li> </ul>

NGSS Practices Progression Where do the observed practices fall along the progression?
Practice #: 1 2 3 <u>4</u> 5 6 7 8
1-----2----- <u>3</u> -----4
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1-----2-----3-----4

Rationale for Levels: What impacted the ratings of the practices?
<p>- Ms. Rivers provided opportunities for students to make sense of data by recognizing patterns between the level of hardness of ground + earthquake destruction levels.</p> <p>- Ms. Rivers provided students with directions on how to analyze the data.</p>