

Reflection Tool

Talk Science

in the Inquiry Project

Are Students Progressing Toward Scientific Understanding?

Step back and look at the quality of the “Make Meaning” discussions. As your students work together to construct an answer to the investigation question, what meanings are they constructing? Are they reasoning scientifically?

Reflection Questions	Notes, Examples and Next Steps
<p>Did students propose answers? Did their answers address the main discussion question? (Typically the discussion question is the investigation question.)</p>	
<p>Did students use evidence to support their answers? Observations and/or measurements from their investigations? Prior experience?</p>	
<p>Did they critique their own and others' answers? Agree, disagree, build on each other's answers? Distinguish evidence from opinion? Identify questions? Ask if we have enough evidence?</p>	
<p>Did students merge their own and other's ideas to develop an explanation? Use relevant scientific ideas from this or prior lessons? Sort through ideas to see which are consistent with their observations? Refer to drawings or diagrams to explain their ideas?</p>	
<p>Did students apply their learning to a new context? Explain similar situations from the classroom or everyday life?</p>	

