



Developing Analytical Abilities

Analysis is an important gateway to more complex thinking and critical thinking. You can design tasks for students that give them practice in analytical thinking.

1. Show observational skills
 - Accurately report what is observed
 - Use a systematic approach for observing
 - Note both details and larger system

2. Draw reasonable inferences from observations
 - Make correct conclusions
 - Predict the next action or result
 - Provide reasons

3. Perceive and make relationships
 - Note cause/effect
 - Trace an event from start to finish
 - Classify appropriately

4. Describe structure and organization
 - Describe how parts make the whole
 - Understand function of related vs unrelated parts
 - Compare different systems to each other

In the major or specialized area:

5. **Establish** the ability to use frameworks from the discipline to analyze (disciplinary literacy).
6. **Master** the ability to independently use frameworks from the discipline to analyze.