QC2E Verbal Prompts

- What assumptions can you make about the observation?

- What is the basis for your claim (or inference)?

- What evidence did you collect that supports your claim, your idea, or your hypothesis?

- Why do you think this is so?

- What do you mean by . . . ?

- Does the evidence support or refute your claim?

- Are the data biased? Are the data reliable?

- How would you interpret the data and evidence?

- What is the relationship between the independent and dependent variables?

- What do the data say or imply?

- What conclusions can you draw from the evidence?

- How does the evidence support or refute your claim?

- How is one variable dependent upon another?

- What explanation can you propose from the evidence collected?

- How do the results support what you expected?

- How do the results support what you already knew about the phenomenon?

- Can you develop an explanation from the results?

- Can you construct a model to support your explanation?

- Were your original assumptions about the question correct?

- How will you defend your findings?

(Llewellyn & Rajesh, 2011, p.26)

Llewellyn, D., & Rajesh, H. (2011). Fostering argumentation skills: Doing what real scientists really do. Science Scope, 35(1), 22-28.