

Reflecting on a Science Lesson

Reflecting on content:

- Is there an opportunity to connect this lesson/content to other lessons/units/courses?
- Is there an opportunity to emphasize
 - patterns
 - cause and effect
 - scale, proportion, and quantity
 - systems and system models
 - energy and matter in systems
 - structure and function
 - stability and change of systems
- Is there an opportunity for students to generate their own questions?
- Is there an opportunity to assess students on their ability to use the content from this lesson (instead of just memorize it)?



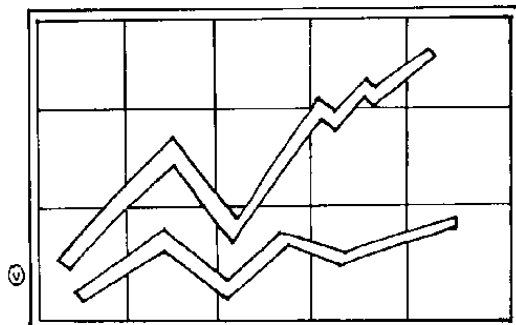
Reflecting on experimentation:

- Is there an opportunity for students to investigate their own questions?
- Is there an opportunity for students to invent and/or evaluate approaches to this investigation?
- Is there an opportunity to use evidence generated from this lab experience to help students come to know something?
- Is there an opportunity for students to revise their investigative approach and do it again?



Reflecting on models and computational thinking:

- Is there an opportunity to use a model to generate evidence, test ideas, or make predictions?
- Is there an opportunity to use new evidence to refine or replace an existing model?
- Is there an opportunity for students to build a mathematical model that illustrates the relationship between two variables?



Reflecting on social interaction:

- Is there an opportunity to elicit student ideas through class discourse?
- Is there an opportunity for students to talk with each other as they analyze and interpret evidence?

