**Applied Academic Skills**

**Applied academic skills are evident daily in homework assignments, classwork, and Q&A exchanges during lessons.**

* **Reading skills**
Students apply/demonstrate reading skills by interpreting written instructions/project directions and constructing responses, using print and online materials as resources, completing worksheets, and seeking clarification about what they have read.
* **Writing skills**
Students rely on writing skills to construct lab reports, posters, and presentation materials, take notes, and compose responses
* **Math strategies/procedures**
Students use computational skills appropriately and make logical choices when analyzing and differentiating among available procedures. Outside of math class, this includes creating/interpreting tables and graphs and organizing/displaying data.
* **Scientific principles/procedures**
Students follow procedures, experiment, infer, hypothesize (even as simple as "what if we do it this way"), and construct processes to complete a task (can occur outside of math/science classes).
* **Thinks critically**
Students display analytical and strategic thinking. This can be seen in debating an issue, converging on an understanding, assessing a problem, and questioning (playing devil's advocate).
* **Makes sound decisions**
Students differentiate between multiple approaches and assess options (could be linked to thinking critically).
* **Solves problems**
Students assess problems involving the use of available resources (personnel and materials) and review multiple strategies for resolving problems (could be linked to thinking creatively).
* **Reasons**
Students negotiate pros/cons of ideas, approaches, and solutions and analyze options using "if-then" rationale.
* **Plans/organizes**
Students plan steps, procedures, and/or approaches for addressing tasks. This occurs naturally in most assignments, ranging from solving one problem to completing a long-term project.