



Science

Instructor Jackie Morgan

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Office Classroom #14

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Office Hours: Monday and Wednesday by appointment.

Textbooks/Resources:

Science Explorer by Pearson

Life Science by Glencoe

Description:

Science at BRAC will be an integrated program that shall serve as a stepping stone from elementary science to high school courses such as biology, chemistry, and physics. The purpose is to give an overview of common strands in each discipline. Class is structured around project based learning that incorporates engaging and interactive lessons that are inquiry based. This year curriculum will focus on life science with course work including the structure of cells and living systems, cellular processes, genetics, and ecology. Students will also study photosynthesis, organism adaptations, factors impacting Earth's systems, and life in our solar system.

Goals:

1. Develop an excitement for exploring science that will help students see the wonders of the world through the eyes of a scientist.
2. Learn to use the scientific method including hypothesizing, coming to conclusions, and understanding how to write those findings in a lab report.
3. Perform investigations using critical evaluation, problem solving, and scientific reasoning.
4. Successfully interpret data and exercise analytical skills to perform lab and field investigations.
5. Depart for the next grade level with a general grasp of major concepts that will be helpful when explored further in the future.

Expectations:

1. Each student is responsible for participation in the classroom and weekly science lab.
2. Each student is responsible for coming to class prepared. This includes having their science notebook, lab journal, homework, writing utensils, appropriate technology, or any other item ready and accessible at the beginning of class.
3. Homework assignments are expected at the beginning of class. One letter grade will be taken off an assignment for every class period it is late. For example, if a lab is due Wednesday but is turned in the next class period, Friday, the highest grade that lab will receive is 89. The following Monday will be 79, and so forth.
4. Students will adhere to all safety rules and procedures in the science lab.
5. Each student is expected to come to class ready to participate in the Three R's - Be Respectful, Be Responsible, Be Reasonable. We will all hold one another accountable to these three expectations in order to have a successful, fun, and productive learning atmosphere.