The Action Cycle (Choose, Act, Reflect) is an important part of our IB education. Please note any actions that you have noticed at home as a result of this unit and return this page to me at any time. Questions and comments are welcomed as well.

We are always looking for resources to enhance our Unit of Inquiry. If you have something to share, or know someone who can offer information, please let us know!

Principal
Kirk Morris
How the World Works is an inquiry into the impact of scientific and technological advances on society and on the environment.

In this IB unit, we will explore electricity and magnetism. We will answer such questions as: What is magnetism? What is electricity? How are magnetism and electricity related? How do we use magnetism and electricity in everyday life?

We have several ways of looking at electricity and magnetism. We will use Bill Nye videos, BrainPop, YouTube videos, science books from the leveled library, iPads, and everyday items (alligator clips, voltage reader, lemons, copper wire, light bulbs, screws). Baskets of magnets will be available throughout the day for students to predict then observe their findings about things that are magnetic around the room.

To study this unit in depth, students will participate in and reflect on an interactive presentation conducted by the Bakken Museum regarding ACDC and the relationship between Tesla and Edison.

Students will demonstrate an understanding of the relationship of electricity and magnetism in everyday use by: 1) creating and presenting a circuit to a selected audience. They will also explain the possible applications of their circuit for everyday use; or 2) identifying ways that the practical application of electromagnetic force has changed how we live. The students will complete a shared research project using the scientific method. A student and teacher created checklist will be used to assess these projects.

We look forward to learning together!

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