



Letter to Parents GREETINGS!



Program: **Energy Matters**

We look forward to visiting
your child's classroom soon!



SCIENCE FUN For Everyone
will be visiting your child's
classroom soon!

Our in-school field trips provide
FUN, interactive, "hands-on"
science experiences.

The students will become
Scientists, perform experiments,
take home at least one of their
activities and earn a science
certificate award!

At Home Exploration!

Do you want to experiment at
home with your junior scientist?

[Click here to visit our
experiment page!](#)

Students Will Learn:

- 5.P.2 Understand the interactions of matter and energy and the changes that occur.**
- **5.P.2.1** Explain how the sun's energy impacts the processes of the water cycle (including, evaporation, transpiration, condensation, precipitation and runoff).
 - **5.P.2.2** Compare the weight of an object to the sum of the weight of its parts before and after an interaction.
 - **5.P.2.3** Summarize properties of original materials, and the new material(s) formed, to demonstrate that a change has occurred.
- 5.P.3 Explain how the properties of some materials change as a result of heating and cooling.**
- **5.P.3.1** Explain the effects of the transfer of heat (either by direct contact or at a distance) that occurs between objects at different temperatures. (conduction, convection or radiation).
 - **5.P.3.2** Explain how heating and cooling affect some materials and how this relates to their purpose and practical applications.