

## SCIENCE ABOVE & BEYOND – SEPTEMBER

1. Who was Rachel Carson?
  - Research her life and write a short biographical essay about her IN YOUR OWN WORDS. How did she impact the world?
  - 2 points
  
2. Discovery Channel's Project Earth
  - In keeping with the "Go Green" theme, students can watch the new TV show Project Earth on the Discovery Channel, and write a summary of what they learned.
  - the show airs on Friday nights at 9pm. I know this limits availability, but you can also watch full episodes on the channel's website:
    - i. go to <http://dsc.discovery.com/tv/project-earth/project-earth.html> and click on "Full Episodes" to view.
  - 2 points
  
3. How Much Electricity Buzzes Through Your House Each Week?
  - Learn to read your household energy meter. Ask an adult for help. Once you can read the electrical meter, make a chart of how much energy your family uses every day for a week. Try to read the meter at the same time every day.
  - How do you do that? Write down the number of kilowatt hours each day and calculate the difference from one day to the next.
  - What's so bad about electricity? Well, the generation of electricity at power plants is the biggest source of pollution in this country. Power plants cause acid rain, global warming, and smog. In spite of this, Americans increase their power use every year. You know what that means? More power plants!
  - At the end of the week add up the numbers and share them with your family. Write a summary of what you learned from collecting this data. Was your family surprised by how much energy they used? Can your family do something to cut down on their energy consumption?
  - 2 points