Magnet Schools Assistance Program

Project Due Date: **TBA** – via Michelle Bryant
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Project Support Contact:

Curriculum & Planning & Tech Support:
Reba Gordon Matthews
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619.631.4436

Technical Support:
Steve Harris
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See Johnson's selected 2008-9 highlighted MSAP Projects
Chosen by Doug McIntosh
http://old.sandi.net/enrollmentoptions/magnet/johnson_sch.html

Suggestions for format of your MSAP Project:

- Pdf File (Utilized by teachers who are new to technology)
- PowerPoint
- ComicLife
- Pixie
- iMovie, Window Movie Maker, Photobooth *(Mac)*
- Video Blog (using any of the above)
- Blog
- Podcast
- Website
- Wiki
- Any other format of your choice

Which California State Standard(s) does your project address?
http://www.cde.ca.gov/be/st/ss/

If using BrainPop/BrainPopJr: Here are the State Standards for their videos
http://www.brainpop.com/educators/state_standards/

Our Future Female Scientists

Johnson Elementary Girls Science Club

Magnet Student Project

Revised for 2009-10 Academic Year

School: Johnson Elementary

Teacher Name(s): Reba Gordon Matthews & Ruth Hall

Grade Level: 4th,5th, and 6th Grade Female Students

Format of Presentation: Pdf File

Magnet Student Project
Johnson Elementary
Teacher: R. Matthews

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Content Area: *(With STEM Magnet theme integrated)*

The activities involve: science, technology, engineering and mathematics

Which Standard(s) does your project address?

Project Groupings: Small groups of 3-4

Description of Product using Technology: *(Product must be from the STEM areas)*

The Reuben H. Fleet Science Center invites (25) 4th and 5th grade girls for an afterschool science program. Each class will be filled with fun challenges, hands-on activities and interaction with local women scientists.

Classes will be held in the Science Lab on Mondays and Wednesdays.

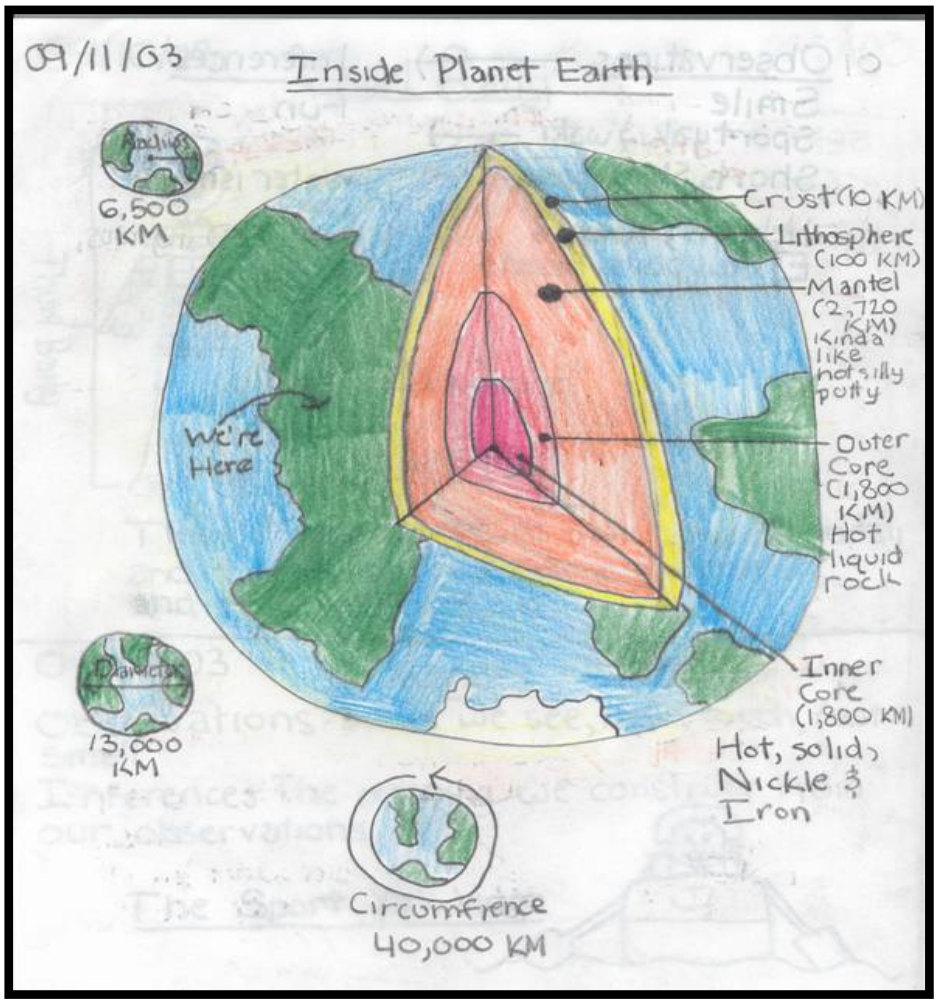
The topics will be:

Stream Table Challenge
Jack-O-Lantern Circuitry
Energy Efficient Homes
Solar Cars
PicoCricket Design Challenge
Forensic Detectives
Chemistry of Cosmetics
UV Beads
Photosynthesis
Food Webs/Ecosystems

Magnet Student Project
Johnson Elementary
Teacher: R. Matthews

Emily's Science Notebook Entry

(Not really- Just used as a sample- ☺)

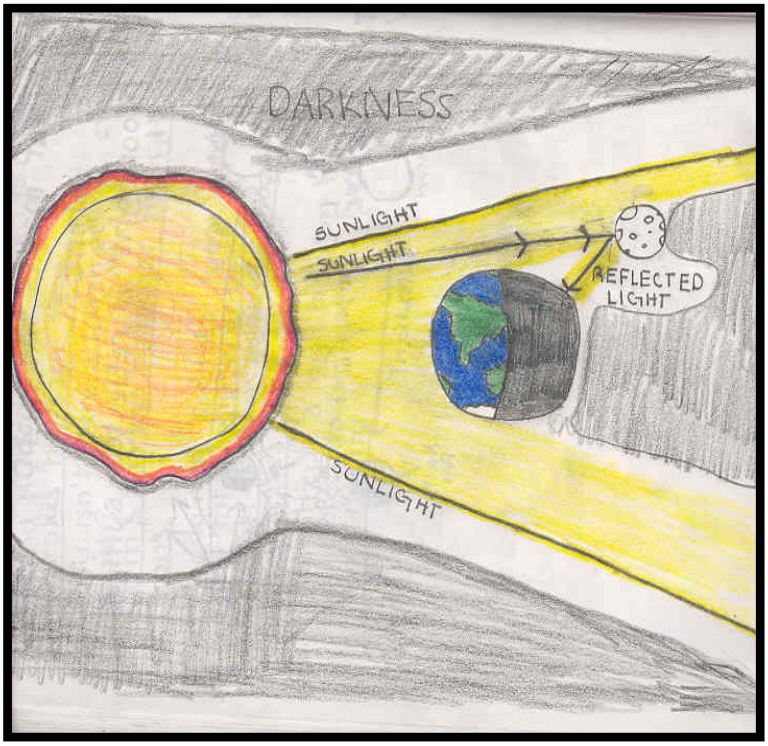


Magnet Student Project
Johnson Elementary
Teacher: R. Matthews

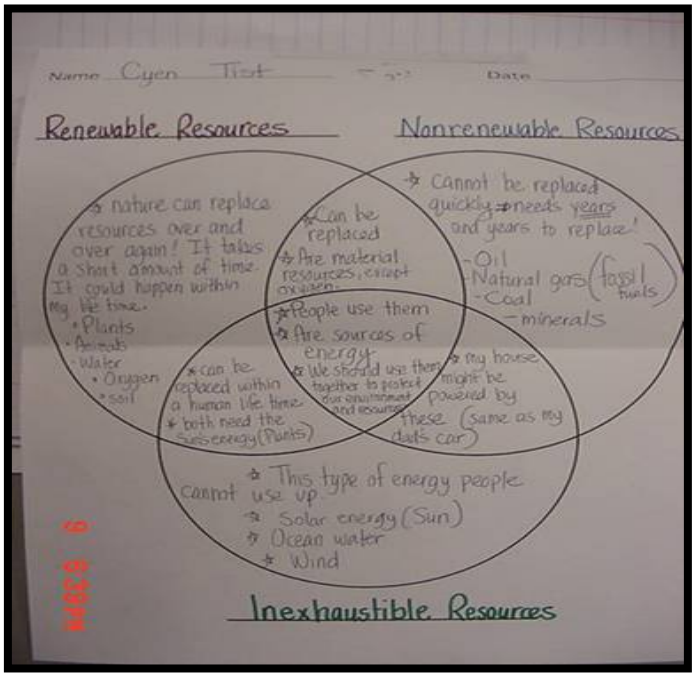
Group Responses:
Girl 1 and Girl 2's
Science Notebook Entries

Brief description/caption of what they are doing in the picture. (Not really- Just used as a sample- ☺)

Girl 1 Science Notebook Entry



Girl 2 Science Notebook Entry



Magnet Student Project
Johnson Elementary
Teacher: R. Matthews

Science Response from Barbara (Not really- Just used as a sample- ☺)

Typewritten responses.

Student types the document.
Saves it on the classroom computer
in Microsoft Word.

Teacher can print out the document and photograph it, then insert the picture of the document in your project file.

OR copy the entire document and paste into your project.

How Much I Know About Space

I had just gone to Chobot Space and Science Center. When I got there, I didn't even know one planet in our solar system. Soon I learned all nine planets in our solar system. I learned what the first rocket ship looked like. I learned how to land a rocket ship. I had two lessons. The lessons were fun. My favorite class was space class.

Magnet Student Project
Johnson Elementary
Teacher: R. Matthews

Technology Supplies Needed/ Resources Used Supplied by MSAP:

Teacher Mac Laptop
AlphaSmart Neo
Digital Camera
Video Camera
Flashdrives
Computer Lab Computers
Scanner
Classroom Computers
Student Netbooks
Classroom Printer
Mindstorm Robotic Kit
Epson Poster Maker Printer
Promethean Board
Website: Promethean Planet
Pixie Software
MS Word
MS PowerPoint
iMovie
BrainPop / BrainPopJr. Subscription
United Streaming Subscription
NASA Curriculum

Site Staff Resources Used:

Michelle Bryant - Magnet Resource Teacher
Reba Gordon Matthews
-Site Ed Tech/ Computer Lab Teacher/ NASA Explorer School Team Leader
Steve Harris - Site Network Technician
Marisa Ramirez – Engineering Lab Teacher
NASA Explorer School Formal Educators – Ota Lutz